Author Index

van Aartsen, J. J. 1984–1991
Abdo, Sh. M. 218–224
Abraham, R. J. 1969–1972
Adachi, K. 1484–1487
Adams, G. W. 1824–1828, 1829–1835
Aeiyach, S. 752–755
Affrossman, S. A. 1022–1026
Aglietto, M. 1133–1136
Agrawal, J. P. 1488–1492
Ajroldi, G. 2180–2187
Akbulut, U. 348–352, 928–932
Al-Hillo, M. R. Y. 1336–1341
Al-Mudaris, A. 1123–1126
Alfonso, G. C. 1251–1256
Alig, I. 842–848
Allen, S. R. 996–1003, 1776–1784
Alterio, R. 1133–1136
Alyuruk, K. 1709–1713, 2328–2331
Amass, A. J. 195–201, 1008-1011
Amis, E. J. 1197–1203
An, H. 1076–1078
Ando, D. J. 1063, 1067
Andreatta, A. 2305–2311
Andreis, M. 1498–1507
Andruzzi, F. 338–343
Angadji, H. 1022–1026
Angiolini, L. 564–569
Antolini, E. 1099–1104
ApSimon, J. W. 1137–1142
Araki, K. 432–437
Aras, L. 2246–2252
Arichi, S. 686–692
Arnold, C. A. 986–995
Arrondel, V. 1414–1418
Asano, T. 590-594
Ashikaga, K. 534–539
Attard, G. S. 432-437, 438-442
Audebert, R. 2112–2117

Baade, W. 127-142
Babu, G. N. 1530–1535
Bagirow, T. O. 2104–2111
Baini, L. 2324—2327
Bakhramov, A. D. 842–848
Bakhshaee, M. 1022–1026
Bamford, C. H. 540–548
Bansil, R. 677–680
Barcucci, R. 1751–1757
Bardin, I. 2094–2103
Barrie, J. A. 327–332, 745–751, 1332–1335, 2320–2323
Barton, S. J. 1546–1551
Bassani, J. L. 2215–2221
Bassett, D. C. 399–409
Bauer, B. J. 1384–1388
Bazaron, U. B. 97–103
Bazuin, C. G. 654–661
Beck, F. 353–359
Beevers, M. S. 195–201, 860–865, 1008–1011
Bellenger, V. 2013–2018
Bello, A. 1508–1512
Benavente, R. 1508–1512
Benmouna, M. 610–614
Benninghoven, A. 40–41
Benoit, H. C. 379–385
Benson, R. S. 2188–2192
Berry, G. C. 1462–1466
Bertani, R. 1133–1136
Bhowmick, A. K. 2047–2053
Bicak, N. 2237–2245
Bigger, S. W. 2080–2086
Birshtein, T. M. 170–177
Bittrich, H.-J. 254–258, 1913–1917
Black, B. 1785–1790
Blackwell, J. 225–230, 780–785
Bloor, D. 1063–1067
Bodor, G. 1399–1406, 1407–1413
Bohossian, T. 1695–1704
Bokobza, L. 45–50, 443–446
Bolton, E. 1004–1007
Bonart, R. 92–96
Borggreve, R. J. M. 63–70, 71–77, 78–83
Borovskaya, A. A. 2104–2111
Borsali, R. 610–614
Botsis, J. 643–647
Bott, R. H. 986–995
Bourvellec, G. 1558–1564
Bouton, C. 1414–1418
Bouwstra, J. A. 1942–1945, 1946–1950
Bouzon, J. 1488–1492
Bowley, H. J. 914–917
Boyle, J. D. 1032–1040
Bradner, F. P. 914–917
Brady, J. M. 1615–1622
Brembilla, A. 1938–1941
Brown, N. 453–460, 1456–1461, 2215–2221
Bruckner, S. 786–792
Bruninx, E. 40–44
Brydon, D. L. 619–627
Buchachenko, A. L. 2297–2304
Buchner, S. 480–488
Bucknall, C. B. 213–217
Budaev, O. R. 97–103
Bunn, A. 1969–1972
Burfield, D. R. 1903–1908, 2019–2022
Burzynski, R. 1247–1250

Campos, A. 897–904
Canetti, M. 304–310
Cao, Y. 2305–2311
Cardoso, J. 1747–1750
Carlini, C. 564–569
Carlson, J. G. 2001–2012
Carter, T. J 489–493
de Carvalho, A. B. 220–296
Casolaro, M. 1751–1757
Caunt, A. D. 1336–1341
Cava, R. J. 504–508
Ceccorulli, G. 1251–1256
Celda, B. 897–904
Cercena, J. L. 718–721
Cerrai, P. 338–343
Chadwick, A. V. 1123–1126
Chaki, T. K. 2047–2053
Chambon, F. 2222–2226
Chang, B. C. 1472–1474
Chang, N. H. 1472–1474
Chanzy, H. D. 1814–1819, 1973–1976
Chard, M. O. 1150–1154
Charlet, A. F. 1462–1466
Charlet, G. 1695–1704
Chau, C. C. 2087–2093
Chawla, C. P. 1909–1912
Chen, D. 986–995, 978–985
Chen, M. S. 1472–1474
Chen, Y. J. 1027–1031
Chen, Y. P. 986–995
Cheng, S. Z. D. 494–503
Chew, S. 874–881
Chiba, T. 2288–2291
Chien, J. C. W. 831–834, 2204–2208
Choudhury, N. R. 2047–2053
Chow, F. L. 1022–1026
Chuah, H. H. 1591–1595
Chujo, R. 698–704, 1714–1722
Cimmino, S. 393–398
Cirafici, S. 1099–1104
Coffey, K. 1022–1026
Cohen, C. 2198–2203
Cohen, R. E. 942–948
Cohen-Addad, J.-P. 143–146, 1820–1823
Colak, N. 1709–1713
Colby, R. H. 1275–1278
Coleman, M. M. 1298–1307
Collart, P. 443–446
Conde Brana, M. T. 410–415
Cooper, S. L. 1204–1212, 1213–1220, 1221–1226, 1227–1233
Cormia, R. D. 1571–1575, 1576–1581
Cowie, J. M. G. 509–513
Cow, B. 1776–1784
Coyne, L. 2222–2226
Crissman, J. M. 447–452
Crivello, J. V. 1800–1813
Crowe, C. M. 1513–1517, 1518–1523
Cruz, A. 1883–1894, 1872–1882
Cui, Q. 524–527

Daoust, D. 161–164
Davies, G. R. 58–62
Davies, H. 1379–1383
De Schryver, F. C. 45–50, 443–446
Dee, G. T. 1467–1471, 1675–1679
Defieuw, G. 595–603, 2158–2163, 2164–2169
Dekoninck, J. M. 910–913
Del Fanti, N. 2324–2327
Delatycki, O. 2080–2086
Delmas, G. 1695–1704
Demaret. V. 570–575
Dereppe, J. M. 161–164
Derjaguin, B. V. 97–103
Deslandes, Y. 1973–1976
van Det M. A. 1942–1945
Devaux, J. 161–164
Dhal, P. K. 1530–1535
Dhaoui, W. 2013–2018
DiBenedetto, A. T. 718–721
Diaz, F. G. 259–264
Diaz-Calleja, R. 1433–1438, 1685–1689
Dietrich, J. 92–96
Dijkstra, D. J. 866–873
Ding, Y. S. 1213–1220, 1221–1226
Doi, Y. 1714–1722
Dominguez, L. 2023–2029, 2030–2037
Donald, A. M. 1651–1655
Dondos, A. 1690–1694
Donghwan, C. 1955–1958
Dorrepaal, J. 2038–2046
Dorset, D. L. 1596–1602
Dosiere, M. 2292–2296
Doyle, A. 1091–1098
Drake, A. F. 1063–1067
Duan, X. 273–279
Dutta, A. 2047–2053
Duvan, M. 610–614

East, G. C. 558–563
Eaton, D. R. 514–518
Economou, H. 1861–1866
Edelman, A. 317–323, 324–326
Edmond, L. 360–363
Effler, L. J. 2188–2192
Eichenwald, H. M. 78–83
Eichhorn, F. 1913–1917
Elorza, J. M. 1155–1159, 1493–1497
Emans, J. 619–627
Eng, A.-H. 2019–2022
Enkelmann, V. 2030–2037
Escobar, J. L. V. 1747–1750
Etxeberria, A. 1160–1165

Fager, L.-O. 453–460
Farnoux, B. 386–392
Farren, T. R. 195–201, 1008–1011
Farris, R. J. 1824–1828, 1829–1835
Fernandez-Berridi, M. J. 1155–1159, 1493–1497
Fear, D. L. 2087–2093
Feast, W. J. 1054–1059, 1060–1062
Feiring, A. E. 1723–1732
Feng, D. 1800–1813
Fernandez, M. L. 3–10
Ferraris, J. P. 1319–1327
Ferruti, P. 1751–1757

Author Index

van Aartsen, J. J. 1984–1991
Abdo, Sh. M. 218–224
Abraham, R. J. 1969–1972
Adachi, K. 1484–1487
Adams, G. W. 1824–1828, 1829–1835
Aeiyach, S. 752–755
Affrossman, S. A. 1022–1026
Aglietto, M. 1133–1136
Agrawal, J. P. 1488–1492
Ajroldi, G. 2180–2187
Akbulut, U. 348–352, 928–932
Al-Hillo, M. R. Y. 1336–1341
Al-Mudaris, A. 1123–1126
Alfonso, G. C. 1251–1256
Alig, I. 842–848
Allen, S. R. 996–1003, 1776–1784
Alterio, R. 1133–1136
Alyuruk, K. 1709–1713, 2328–2331
Amass, A. J. 195–201, 1008-1011
Amis, E. J. 1197–1203
An, H. 1076–1078
Ando, D. J. 1063, 1067
Andreatta, A. 2305–2311
Andreis, M. 1498–1507
Andruzzi, F. 338–343
Angadji, H. 1022–1026
Angiolini, L. 564–569
Antolini, E. 1099–1104
ApSimon, J. W. 1137–1142
Araki, K. 432–437
Aras, L. 2246–2252
Arichi, S. 686–692
Arnold, C. A. 986–995
Arrondel, V. 1414–1418
Asano, T. 590-594
Ashikaga, K. 534–539
Attard, G. S. 432-437, 438-442
Audebert, R. 2112–2117

Baade, W. 127-142
Babu, G. N. 1530–1535
Bagirow, T. O. 2104–2111
Baini, L. 2324—2327
Bakhramov, A. D. 842–848
Bakhshaee, M. 1022–1026
Bamford, C. H. 540–548
Bansil, R. 677–680
Barcucci, R. 1751–1757
Bardin, I. 2094–2103
Barrie, J. A. 327–332, 745–751, 1332–1335, 2320–2323
Barton, S. J. 1546–1551
Bassani, J. L. 2215–2221
Bassett, D. C. 399–409
Bauer, B. J. 1384–1388
Bazaron, U. B. 97–103
Bazuin, C. G. 654–661
Beck, F. 353–359
Beevers, M. S. 195–201, 860–865, 1008–1011
Bellenger, V. 2013–2018
Bello, A. 1508–1512
Benavente, R. 1508–1512
Benmouna, M. 610–614
Benninghoven, A. 40–41
Benoit, H. C. 379–385
Benson, R. S. 2188–2192
Berry, G. C. 1462–1466
Bertani, R. 1133–1136
Bhowmick, A. K. 2047–2053
Bicak, N. 2237–2245
Bigger, S. W. 2080–2086
Birshtein, T. M. 170–177
Bittrich, H.-J. 254–258, 1913–1917
Black, B. 1785–1790
Blackwell, J. 225–230, 780–785
Bloor, D. 1063–1067
Bodor, G. 1399–1406, 1407–1413
Bohossian, T. 1695–1704
Bokobza, L. 45–50, 443–446
Bolton, E. 1004–1007
Bonart, R. 92–96
Borggreve, R. J. M. 63–70, 71–77, 78–83
Borovskaya, A. A. 2104–2111
Borsali, R. 610–614
Botsis, J. 643–647
Bott, R. H. 986–995
Bourvellec, G. 1558–1564
Bouton, C. 1414–1418
Bouwstra, J. A. 1942–1945, 1946–1950
Bouzon, J. 1488–1492
Bowley, H. J. 914–917
Boyle, J. D. 1032–1040
Bradner, F. P. 914–917
Brady, J. M. 1615–1622
Brembilla, A. 1938–1941
Brown, N. 453–460, 1456–1461, 2215–2221
Bruckner, S. 786–792
Bruninx, E. 40–44
Brydon, D. L. 619–627
Buchachenko, A. L. 2297–2304
Buchner, S. 480–488
Bucknall, C. B. 213–217
Budaev, O. R. 97–103
Bunn, A. 1969–1972
Burfield, D. R. 1903–1908, 2019–2022
Burzynski, R. 1247–1250

Campos, A. 897–904
Canetti, M. 304–310
Cao, Y. 2305–2311
Cardoso, J. 1747–1750
Carlini, C. 564–569
Carlson, J. G. 2001–2012
Carter, T. J 489–493
de Carvalho, A. B. 220–296
Casolaro, M. 1751–1757
Caunt, A. D. 1336–1341
Cava, R. J. 504–508
Ceccorulli, G. 1251–1256
Celda, B. 897–904
Cercena, J. L. 718–721
Cerrai, P. 338–343
Chadwick, A. V. 1123–1126
Chaki, T. K. 2047–2053
Chambon, F. 2222–2226
Chang, B. C. 1472–1474
Chang, N. H. 1472–1474
Chanzy, H. D. 1814–1819, 1973–1976
Chard, M. O. 1150–1154
Charlet, A. F. 1462–1466
Charlet, G. 1695–1704
Chau, C. C. 2087–2093
Chawla, C. P. 1909–1912
Chen, D. 986–995, 978–985
Chen, M. S. 1472–1474
Chen, Y. J. 1027–1031
Chen, Y. P. 986–995
Cheng, S. Z. D. 494–503
Chew, S. 874–881
Chiba, T. 2288–2291
Chien, J. C. W. 831–834, 2204–2208
Choudhury, N. R. 2047–2053
Chow, F. L. 1022–1026
Chuah, H. H. 1591–1595
Chujo, R. 698–704, 1714–1722
Cimmino, S. 393–398
Cirafici, S. 1099–1104
Coffey, K. 1022–1026
Cohen, C. 2198–2203
Cohen, R. E. 942–948
Cohen-Addad, J.-P. 143–146, 1820–1823
Colak, N. 1709–1713
Colby, R. H. 1275–1278
Coleman, M. M. 1298–1307
Collart, P. 443–446
Conde Brana, M. T. 410–415
Cooper, S. L. 1204–1212, 1213–1220, 1221–1226, 1227–1233
Cormia, R. D. 1571–1575, 1576–1581
Cowie, J. M. G. 509–513
Cow, B. 1776–1784
Coyne, L. 2222–2226
Crissman, J. M. 447–452
Crivello, J. V. 1800–1813
Crowe, C. M. 1513–1517, 1518–1523
Cruz, A. 1883–1894, 1872–1882
Cui, Q. 524–527

Daoust, D. 161–164
Davies, G. R. 58–62
Davies, H. 1379–1383
De Schryver, F. C. 45–50, 443–446
Dee, G. T. 1467–1471, 1675–1679
Defieuw, G. 595–603, 2158–2163, 2164–2169
Dekoninck, J. M. 910–913
Del Fanti, N. 2324–2327
Delatycki, O. 2080–2086
Delmas, G. 1695–1704
Demaret. V. 570–575
Dereppe, J. M. 161–164
Derjaguin, B. V. 97–103
Deslandes, Y. 1973–1976
van Det M. A. 1942–1945
Devaux, J. 161–164
Dhal, P. K. 1530–1535
Dhaoui, W. 2013–2018
DiBenedetto, A. T. 718–721
Diaz, F. G. 259–264
Diaz-Calleja, R. 1433–1438, 1685–1689
Dietrich, J. 92–96
Dijkstra, D. J. 866–873
Ding, Y. S. 1213–1220, 1221–1226
Doi, Y. 1714–1722
Dominguez, L. 2023–2029, 2030–2037
Donald, A. M. 1651–1655
Dondos, A. 1690–1694
Donghwan, C. 1955–1958
Dorrepaal, J. 2038–2046
Dorset, D. L. 1596–1602
Dosiere, M. 2292–2296
Doyle, A. 1091–1098
Drake, A. F. 1063–1067
Duan, X. 273–279
Dutta, A. 2047–2053
Duvan, M. 610–614

East, G. C. 558–563
Eaton, D. R. 514–518
Economou, H. 1861–1866
Edelman, A. 317–323, 324–326
Edmond, L. 360–363
Effler, L. J. 2188–2192
Eichenwald, H. M. 78–83
Eichhorn, F. 1913–1917
Elorza, J. M. 1155–1159, 1493–1497
Emans, J. 619–627
Eng, A.-H. 2019–2022
Enkelmann, V. 2030–2037
Escobar, J. L. V. 1747–1750
Etxeberria, A. 1160–1165

Fager, L.-O. 453–460
Farnoux, B. 386–392
Farren, T. R. 195–201, 1008–1011
Farris, R. J. 1824–1828, 1829–1835
Fernandez-Berridi, M. J. 1155–1159, 1493–1497
Fear, D. L. 2087–2093
Feast, W. J. 1054–1059, 1060–1062
Feiring, A. E. 1723–1732
Feng, D. 1800–1813
Fernandez, M. L. 3–10
Ferraris, J. P. 1319–1327
Ferruti, P. 1751–1757

Fink, H.-P. 237–241
Fischer, E. W. 379–385
Fisher, I. S. 619–627
Fofana, M. 51–57
Fontanella, J. J. 1123–1126
Fradet, A. 317–323, 324–326
Fraile, J. 1977–1983
Frech, R. 1785–1790
Freire, J. J. 259–264, 615–618
Friedrich, J. 231–236
Froelich, D. 2060–2062
Fuhrmann, J. 1072–1075
Fujiwara, T. 856–859
Fukutomi, T. 202–206
Funagalli, M. 2180–2187
Funabashi, M. 1308–1313
Fushimi, H. 1367–1374

G'Sell, C. 636–642
Gabara, V. 1776–1784
Gaides, G. E. 2118–2123
Galin, J. C. 654–661
Galin, M. 2074–2079
Galleschi, F. 1133–1136
Gallino, G. 2324–2327
Gallot, Y. 386–392
Galy, J. 2013–2018, 2094–2103
Gan, S. N. 1903–1908
Garcia de la Torre, J. 259–264
Gargallo, L. 1685–1689
Gavara, R. 897–904
Gavish, M. 905–909
Gaymans, R. J. 63–70, 71–77, 78–83, 974–977
Gedde, U. W. 22–26, 410–415, 2068–2073
Gehrke, R. 1582–1590
Geiss, D. 242–247
Geibel, J. F. 147–155
Gelerinter, E. 165–169
George, B. K. 178–181
George, M. H. 745–751, 1332–1335, 2320–2323
German, A. L. 918–927
Gerrard, D. L. 914–917
Ghedini, N. 564–569
Ghotra, J. S. 1546–1551
Gilbert, A. H. 213–217
Gilbert, M. 35–39
van Gisbergen, J. G. M. 2153–2157
Glasser, W. G. 570–575, 2265–2268
Gloor, P. E. 220–296
Glowinkowski, S. 519–523
Golub, M. A. 1571–1575, 1576–1581
Gomez, C. 897–904
Gomez-Ribelles, J. L. 849–855, 1433–1438
Goschel, U. 242–247
Gottlieb, M. 2222–2226
Graham, N. B. 528–533, 2130–2135
Gray, G. W. 964–971
Greco, P. 1475–1483
Greenbaum, S. G. 1123–1126
Greis, O. 590–594
Griffin, A. C. 1909–1912
Griffiths, J. R. 874–881
Grillet, A. C. 2094–2103
Grobelny, J. 1187–1196
Groeninckx, G. 595–603, 2158–2163, 2164–2169
Guillot, J. 1872–1882, 1883–1894
Guiver, M. D. 1137–1142
Gulaeva, N. D. 2104–2111
Gupta, S. K. 1918–1930
Guthrie, J. 1091–1098

de Haan, J. L. 974–977
de Haan, J. W. 1663–1668
Hall, T. J. 1166–1169
Hamano, T. 762–765
Hamielec, A. E. 127–142, 220–296, 514–518, 1513–1517, 1518–1523
Han, C.-C. 1041–1047
Handrich, K. 1791–1796
Hanlon, T. R. 1319–1327
Harris, F. W. 494–503
Hartani, K. 2328–2331
Harthcock, M. A. 1234–1242
Harthill, D. 1336–1341
van Hartingsveldt, E. A. A. 1984–1991
Harvey, R. D. 11–16
Hasegawa, H. 1389–1398
Hashimoto, T. 1389–1398
Haward, N. 1336–1341
Haworth, I. S. 1969–1972
Hawthorne, W. D. 964–971
Hay, J. N. 489–493, 1032–1040
Hayashi, M. 2170–2173
Hayashi, T. 1714–1722
Hayward, D. 1022–1026, 1484–1487
He, X. W. 364–368
Hearmon, R. A. 1969–1972
Hedmark, P. G. 2068–2073
Hedvig, P. 1498–1507
Heeger, A. J. 2305–2311
Heikens, D. 1656–1662, 1663–1668
Heinonen, O. 585–589
Heise, B. 1768–1775
Helminiak, T. E. 1591–1595
Hemingway, R. W. 1955–1958
Henderson, P. J. 2209–2214
Hendriks, R. D. H. M. 1143–1149
Hennecke, M. 1072–1075
Hergeth, W.-D. 254–258, 1913–1917
Hernandez-Fuentes, I. 615–618
Herz, J. E. 364–368
Higashimura, T. 1328–1331
Higgins, J. S. 3–10
Hikichi, K. 693–697
Hill, J. S. 964–971
Himuro, S. 686–692
Hindeleh, A. M. 218–224
Hizal, G. 722–725
Hocker, H. 628–635
Hofmann, D. 237–241, 242–247, 1964–1968
Holly, M. A. 1336–1341
Hong, S.-K. 225–230, 780–785
Hoogsteen, W. 866–873
Hopfinger, A. J. 116–126
Hoyle, C. E. 1909–1912
Hruszka, P. 467–470
Hsu, S.-L. 1596–1602, 2147–2152
Hu, S. 17–21, 273–279
Huang, H. H. 2001–2012
Huang, S. J. 718–721
Huchot, P. 143–146
Huglin, M. B. 1379–1383
Hunkeler, D. 127–142

Iijima, T. 1367–1374
Ikawa, T. 425–427
Ikeda, N. 311–316
Ikura, M. 693–697
Iliopoulos, I. 2112–2117
Imai, K. 553–557, 2288–2291
Inagaki, N. 1639–1642
Inoue, T. 662–667, 888–892, 1839–1844, 1845–1850
Inoue, Y. 698–704, 1714–1722
Irarte, M. 1160–1165
Iribarren, J. I. 1160–1165
Iruin, J. J. 1155–1159, 1160–1165, 1493–1497
Ishigaki, I. 1425–1432
Ishikawa, H. 762–765
Ishimaru, N. 1350–1356
Ishizu, K. 202–206, 793–798
Itou, T. 311–316

Janarthanan, V. 1797–1799
Janimak, J. J. 494–503
Janssen, W. 353–359
Jasse, B. 1414–1418, 1643–1650
Jedlinski, Z. 519–523
Jimenez, J. 1977–1983
Jin, P. W. 831–834
Jing, D. P. 443–446
Jo, Y. S. 698–704
Johnson, J. F. 718–721
Jost. P. 143–146
Junginger, H. E. 1942–1945, 1946–1950
Jurek, M. J. 1552–1557
Jurga, J. 467–470

Kadir, Z. A. 1425–1432
Kadoi, K. 1076–1078
Kajiwara, M. 1536–1539
Kalfoglou, N. K. 2253–2257, 2258–2264
Kallitsis, J. K. 2253–2257, 2258–2264
Kallo, A. 1399–1406, 1407–1413
Kalyvas, V. 558–563
Kamigaki, M. 1068–1071
Kammer, H. W. 888–892, 1705–1708
Kang, E. T. 1328–1331
Kaplan, M. L. 504–508
Kapturczak, J. 519–523
Karasz, F. E. 1012–1021, 1992–1996
Kashiwa, N. 428–431, 1350–1356
Katayama, K. 425–427
Kaufmann, W. 2147–2152
Kawaguchi, K. 698–704
Kawanishi, S. 2054–2059
Kazama, H. 553–557
Kelley, S. S. 2265–2268
Kelly, L. 1091–1098
Kershaw, J. R. 360–363
Keskkula, H. 1279–1286
Khanna, A. 1733–1741, 1742–1746
Kilic, S. 978–985
Kim, M. W. 668–671
Kim, S.-J. 756–761
Kimura, Y. 1342–1349
Kisakurek, D. 344–347, 348–352, 928–932
Kishimoto, M. 698–704
Kitao, T. 1342–1349
Kleintjens, L. 1493–1497
Klimo, V. 2136–2140
Koehler, M. G. 116–126
Kohno, I. 2054–2059
Kojima, M. 579–584, 1856–1860
Konak, C. 677–680
Kosai, K. 182–188
Kostanski, L. K. 514–518
Kovarskii, A. L. 2297–2304
Kowalczuk, M. 519–523
Kremer, F. 2023–2029
Kressler, J. 1705–1708
Kricheldorf, H. R. 936–941
Kumar, A. 1733–1741, 1742–1746
Kuramoto, Y. 1419–1424
Kurcok, P. 519–523
Kurz, K. 1072–1075
Kutowy, O. 1137–1142
Kyu, T. 1591–1595

Lacaze, P. C. 752–755
Lacey, D. 964–971
Lam, P. K. H. 1332–1335, 2320–2323
Lando, J. B. 786–792
Lane, A. R. 489–493
Langford, J. I. 489–493
Lapersonne, P. 1558–1564
Laurienzo, P. 835–841
Le Borgne, A. 2312–2319
Lee, C. 1472–1474
Lee, J. Y. 1298–1307
Lee, M. S. K. 964–971
Lee, S. 933–935
Leger, L. 549–552
Legras, R. 161–164, 910–913
Lembicz, F. 1836–1838
Lemstra, P. J. 2153–2157
Lenz, R. W. 1041–1047, 1048–1053, 2269–2278

Lewis, D. N. 2188–2192
Li, C. 1227–1233
Li, W. 604–609, 1513–1517, 1518–1523
Li, Z. 17–21
Lin, T.-S. 648–653
Lin, Y. G. 831–834, 1257–1261, 2204–2208
Liu, P.-K. 1166–1169
Liu, X. 273–279
Liu, Z. 524–527
Lloyd, J. R. 489–493
Lochon, P. 1938–1941
Lopez, L. C. 147–155, 882–887
Lotz, B. 27–34
Lu, X. 2215–2221
Lub, J. 40–44
Luhmann, B. 1723–1732
Lux, M. 1041–1047
Lyle, G. D. 978–985

MacDonald, W. A. 619–627
MacKnight, W. J. 1012–1021
Machado, J. M. 1992–1996
Maddams, W. F. 914–917
Madruga, E. L. 949–954
Magill, J. H. 579–584, 1856–1860
Maglio, G. 1175–1178
Magnani, A. 1751–1757
Mahmudov, A. U. 2104–2111
Maj, P. E. P. 732–738
Makuuchi, K. 1425–1432
Malhotra, I. 467–470
Malinconico, M. 835–841
Mamedov, B. A. 1851–1855
Manero, O. 1747–1750
Manguin, J. L. 1414–1418
Mann, S. 1063–1067
Manning, J. 1785–1790
Manoharan, P. T. 1633–1638
Mansfield, M. L. 1623–1632
Manucarov, Yu. S. 842–848
Marchessault, R. H. 1973–1976
Margaritis, A. G. 2253–2257
Marie, P. 386–392
Mark, J. E. 104–106
Markaryan, R. E. 2297–2304
Marmonier, M. F. 549–552
Marquez-Lucero, A. 636–642
Martuscelli, E. 304–310, 393–398, 835–841, 1475–1483
Maruta, J. 1845–1850
Maruyama, K. 476–479, 856–859, 1419–1424
Masse, M. A. 1992–1996
Masuda, T. 1328–1331
Matsuda, M. 756–761
Matsuguchi, M. 1068–1071
Matsui, K. 1931–1937
Matsuo, M. 1603–1614
Matsuzaki, Y. 1342–1349
Matthews, A. E. 1546–1551
Mattice, W. L. 1680–1684, 1955–1958
McGrath, J. E. 978–985, 986–995, 1552–1557
McHugh, A. J. 2118–2123
McIntyre, J. E. 558–563, 732–738
McLeish, T. C. B. 1651–1655
McLeod, G. G. 1022–1026
Meijer, H. E. H. 2153–2157
Meille, S. V. 786–792
Mekras, C. I. 745–751
Mendicuti, F. 1680–1684
Mercier, J. P. 910–913
Mercier, R. 739–744
Meyer, G. C. 364–368
Meyer, W. H. 2023–2029, 2030–2037
Miheeva, L. M. 2104–2111
Mihoichi, M. 2170–2173
Mikos, A. G. 84–91
Milburn, A. H. 558–563
Milburn, G. H. W. 1004–1007
Milik, M. 681–685
Millane, R. P. 1763–1767
Miwa, T. 893–896, 1170–1174
Miyata, S. 1639–1642
Mizuno, A. 428–431, 1350–1356
Miekuz, M. 514–518
Moggi, G. 2180–2187
Mohanty, D. K. 978–985
Monnerie, L. 45–50, 51–57, 443–446, 1262–1268, 1414–1418, 1558–1564, 1643–1650
Monnet, C. 1872–1882
Monobe, K. 425–427
Monroy, V. M. 1747–1750
Montaudo, G. 297–303, 2237–2245
Moore, J. E. 2279–2283
Mori, K. 1389–1398
Morikawa, T. 1117–1122
Mormann, W. 1127–1132
Morris, J. F. 165–169
Mortensen, K. 2038–2046
Moschiar, S. M. 107–115
Muller, R. 654–661, 2060–2062
Mumby, S. J. 860–865
Murakami, K. 1540–1545
Muruyama, Y. 698–704
Mustafaeva, Sh. I. 1851–1855
Musto, P. 1012–1021

Nagase, Y. 1931–1937
Nagata, S. 1308–1313
Nagura, M. 762–765
Nakamae, K. 1243–1246
Nakanishi, F. 1959–1963
Nakanishi, H. 1959–1963
Narasaiah, T. V. 1763–1767
Narisawa, M. 1540–1545
Narkis, M. 416–424
Naruse, A. 1931–1937
Neale, K. W. 636–642
Neoh, K. G. 1328–1331
Nestor, G. 964–971
Nethsinghe, L. P. 35–39
Nicholas, P. 489–493
Nield, E. 161–164
Nishi, T. 1287–1297
Nishimoto, M. 1279–1286
Nishino, T. 1243–1246
Nishioka, N. 182–188
Nolle, A. W. 648–653
Noonan, E. 1091–1098
Nowatzky, W. 936–941
Numata, S. 893–896, 1170–1174
Nwachuku, N. E. 528–533

O'Connor, K. M. 461–466
O'Donohue, S. J. 1379–1383
Obhi, J. S. 1063–1067
Ochi, M. 1079–1084
Ohkubo, H. 1243–1246
Ohnaga, T. 1845–1850
Ohta, T. 2170–2173
Okada, F. 2170–2173
Okada, S. 1959–1963
Okuno, H. 1117–1122
Okutani, T. 1639–1642
Olley, R. H. 399–409
Ono, K. 1540–1545
Ono, T. 553–557
Orszagh, A. 681–685
Orzeszko, A. 2237–2245
Oshima, M. 2288–2291
Ougizawa, T. 888–892, 1675–1679
Ouriaghli, T. El. 549–552
Owen, A. J. 92–96

Pabin-Szafko, B. 248–253
Paci, M. 338–343
Painter, P. C. 1298–1307
Pajak, Z. 519–523
Pak, Y. S. 1123–1126
Pal, D. 1918–1930
Palumbo, R. 1175–1178
Pang, Y. 1247–1250
Parikh, D. 705–709
Park, M. H. 202–206
Parker, S. F. 1032–1040
Parsons, I. W. 1336–1341
Pascal, T. 739–744
Pascault, J. P. 107–115, 2013–2018, 2094–2103
Patel, B. 1680–1684
Patel, S. K. 2198–2203
Paul, D. R. 1279–1286, 1357–1366
Peiffer, D. G. 668–671
Peng, P. 756–761
Pennings, A. J. 866–873
Peppas, N. A. 84–91
Percec, V. 2124–2129
Perena, J. M. 1508–1512
Perez, E. 1508–1512
Perrau, M. B. 2112–2117
Pertsev, N. A. 265–272
Peschier, L. J. C. 1942–1945
Petermann, J. 590–594, 2147–2152
Pethrick, R. A. 1022–1026, 1484–1487
Pham-Van-Cang, C. 45–50
Philipp, B. 237–241, 242–247
Phillips, P. J. 705–709, 710–717
Pianca, M. 2180–2187
Pichot, C. 1872–1882, 1883–1894
Pieper, T. 1768–1775
Piglowski, J. 1705–1708
Pillai, V. N. R. 178–181
Pincus, P. A. 1997–2000
Pizzoli, M. 1251–1256
Plummer, C. J. G. 1651–1655
Point, J. J. 2292–2296
Polak, A. J. 1314–1318
Porter, L. J. 1955–1958
Porter, R. S. 1257–1261
Pouchelon, A. 143–146
Praptowidodo, V. S. 1367–1374
Prasad, P. N. 1247–1250
Pratt, G. J. 1113–1116
Pritchard, G. 1546–1551
Prud'homme, J. 1446–1455
Puglisi, C. 2237–2245
Pukanszky, B. 1399–1406, 1407–1413
Puleo, A. C. 1357–1366

Radic, D. 1685–1689
Ragimov, A. B. 1851–1855
Rameau, A. 386–392
Ranogajec, F. 1498–1507
Rao, K. V. C. 1633–1638
Rao, N. 1247–1250
Rao, V. L. 1068–1071
Rashid, A. 528–533
Read, B. E. 1439–1445
Register, R. A. 1204–1212, 1213–1220, 1221–1226, 1227–1233
Rego Lopez, J. M. 22–26
Rehahn, M. 1054–1059, 1060–1062
Reitman, E. A. 504–508
Rengarajan, R. 933–935
Revol, J. F. 1973–1976
Rey, V. 1414–1418
Reynaers, H. 595–603, 2158–2163, 2164–2169
Reynolds, N. 2147–2152
Ribes-Greus, A. 1433–1438, 1685–1689
Riccardi, C. C. 107–115
Richardson, M. J. 2246–2252
Reikel, C. 1582–1590
Rigdahl, M. 207–212
Rios-Guerrero, L. 1872–1882
Rizzardo, E. 360–363
Roche, E. J. 996–1003, 1776–1784
Rodnikova, M. N. 2104–2111
Rodriguez, F. 2198–2203
Roizard, D. 1938–1941
Romero Colomer, F. 849–855
Roncolini, C. 1751–1757
Rooney, J. 1091–1098

Roovers, J. 2174–2179
Rotzinger, B. P. 1814–1819
Rubio-Arroyo, M. F. 1747–1750
Ruggeri, G. 1133–1136
Russo, S. 1099–1104

Sacak, M. 928–932
Sadaghianizaheh, K. 509–513
Sadaoka, Y. 1068–1071
Saeki, S. 156–160, 672–676, 1895–1902
Sagane, T. 2269–2278
Saito, S. 1308–1313
de Saja, J. A. 1977–1983
Sakai, Y. 1068–1071
Salcedo, R. 1747–1750
Salom, C. 615–618
Samuel Ding, Y. 1204–1212
San Roman, J. 949–954
Sanchez, I. C. 471–475
Sandman, D. J. 1027–1031
Sanli, O. 344–347
Sapochak, L. S. 1166–1169
Sasaki, S. 1308–1313
Sasuga, T. 2054–2059
Sato, K. 1076–1078
Sato, T. 311–316
Sautereau, H. 107–115
Sawatari, C. 1603–1614
Sayer, B. G. 514–518
Scamporrino, E. 297–303
Scandola, M. 1251–1256
Schaeffer, R. 1946–1950
Scheirs, J. 2080–2086
Schlenker, S. 1913–1917
Schlick, S. 11–16
Schlund, B. 1872–1882, 1883–1894
Schluter, A.-D. 1054–1059, 1060–1062
Schmutzler, K. 254–258, 1913–1917
Schneider, H. A. 771–779
Schofield, E. 540–548
Scholsky, K. M. 461–466
Schouten, M. 2038–2046
Schuijer, J. 71–77
Schulz, E. 1964–1968
Schulz, M. 1791–1796
Schwarz, G. 936–941
Schwering, P. 974–977
Seery, T. A. P. 1197–1203
Seguchi, T. 2054–2059
Seguela, R. 1446–1455
Seki, M. 1076–1078
Senger, J. S. 978–985
Seo, I. 698–704
Sergot, P. 443–446, 1414–1418, 1558–1564
Serman, C. J. 1298–1307
Seves, A. 304–310
Shand, A. J. 1004–1007
Shapiro, J. S. 914–917
Shen, D. 604–609
Shen, J. 524–527
Shi, L. 273–279, 604–609
Shiba, T. 1079–1084
Shimamura, K. 425–427
Shimbo, M. 1079–1084
Shkolnik, S. 628–635
Shorter, J. A. 1197–1203
Sillion, B. 739–744
Silverstein, M. S. 416–424
Silvestre, C. 393–398
Simon, G. 254–258, 2227–2236
Slonecki, J. 1836–1838
Smith, D. M. 619–627
Smith, M. J. A. 1113–1116
Smith, P. 1814–1819, 2305–2311
Sokol, M. 1187–1196
Solovyev, V. A. 842–848
Soukas, E. 1105–1112
Spangler, C. W. 1166–1169
Spassky, N. 2312–2319
Sridhar, K. 494–503
Stachurski, Z. H. 874–881
Staikos, G. 1690–1694
Starkweather, H. W. 1669–1674
Stassen, W. J. M. 2038–2046
Steigel, A. 1530–1535
Steinau, U.-J. 254–258, 1913–1917
Steller, R. 1085–1090
Stenger-Smith, J. D. 1048–1053
Stieber, F. 842–848
Stowell, J. A. 195–201, 1008–1011
Struik, L. C. E. 799–814, 815–830
Su, W. 1384–1388
Sugita, K. 1308–1313
Summers, J. D. 986–995
Sun, C.-C. 104–106
Sun, T. 1257–1261
Sundahl, R. C. 1314–1318
Suto, S. 2063–2067
Suzuki, T. 333–337, 1287–1297
Szafko, J. 248–253

Tacx, J. C. J. F. 918–927
Takagi, Y. 1839–1844
Takeuchi, H. 1079–1084
Takeuchi, K. 476–499
Talmon, Y. 416–424
Tamai, Y. 756–761
Tanaka, H. 1287–1297, 1389–1398
Tani, T. 231–236
Tanizaki, Y. 476–479, 856–859, 1419–1424
Tardajos, G. 1484–1487
Tasaka, S. 1639–1642
Tashiro, H. 2063–2067
Tassin, J. F. 1558–1564
Taylor, P. L. 585–589
Tejero, R. 897–904
Teramoto, A. 311–316
Terselius, B. 410–415
Tezuka, Y. 553–557, 2288–2291
Thomas, E. L. 1615–1622, 2147–2152
Thomson, G. 1004–1007
Thyagarajan, G. 1797–1799
Tieke, B. 1150–1154
Tiemann, N. 1127–1132
Tino, J. 2136–2140
Tokita, M. 693–697
Tomazos, D. 2124–2129
Tomka, J. G. 732–738
Tomlins, P. 3–10
Toppare, L. 348–352, 928–932
Torres, A. 1977–1983
Toyota, A. 1350–1356
Tramontini, M. 564–569
Tran-Cong, Q. 534–539
Tricoli, M. 338–343
Troughton, M. J. 58–62
Tsai, H. B. 1472–1474
Tsapatsis, M. 1861–1866
Tsibouklis, J. 1004–1007
Tsitsilianis, C. 1690–1694, 1861–1866
Tsubokawa, M. 156–160, 672–676, 1895–1902
Tsuji, M. 425–427
Tsunashima, Y. 2284–2287
Tsutsui, T. 428–431, 1350–1356
Tudos, F. 1399–1406, 1407–1413
Turker, L. 348–352
Turska, E. 1187–1196
Turturro, A. 1099–1104, 1251–1256
Turuskan, E. 1127–1132
Turzynski, Z. 248–253

Udvarhelyi, P. 1063–1067
Uemura, A. 425–427
Ueno, N. 1308–1313
Unal, H. I. 344–347
Uno, M. 182–188
Upson, D. A. 972–973
Uragami, T. 1117–1122
Urban, J. 2136–2140
Uriarte, C. 1155–1159, 1493–1497

Vandendriessche, J. 45–50
Vatansever, A. 710–717
Veissier, V. 51–57, 1262–1268
Veith, C. A. 942–948
Veksli, Z. 1498–1507
van de Ven, L. J. M. 1663–1668
Venkatachalam, S. 1633–1638
Venkataraman, S. K. 2222–2226
Verchere, D. 107–115
Verdu, J. 2013–2018
Vergnaud, J. M. 1488–1492
Verhoeven, J. 1942–1945, 1946–1950
Viallat, A. 1997–2000
Vicic, M. 933–935
Viovy, J. L. 51–57, 1262–1268
Vitagliano, V. M. 1175–1178
Vitalini, D. 297–303
Vladimirov, V. I. 265–272
Vlak, W. A. H. M. 2038–2046
Vollenberg, P. H. T. 1656–1662, 1663–1668
Volpe, M. G. 835–841
van Vroonhoven, F. C. B. M. 40–44

Waldeck, D. H. 1680–1684
Walenta, E. 242–247
Wallace, A. J. 2209–2214
Walsh, D. J. 1467–1471, 1675–1679
Wang, J. 524–527, 718–721
Wang, X.-Q. 453–460, 1456–1461
Wang, Y.-L. 17–21
Wang, Y. S. 1867–1871
Wang, Z. 1298–1307
Ward, I. M. 58–62
Ward, T. C. 2265–2268
Warshawsky, A. 972–973
Webb, W. D. 327–332
Wegner, G. 1048–1053, 1054–1059, 1060–1062, 2023–2029, 2030–2037
Welander, M. 207–212
Wendorff, J. H. 1524–1529
Werner, P.-E. 2068–2073
Werninck. A. 1004–1007
Wessling, R. A. 2087–2093
Westdahl, M. 2068–2073
White, M. S. 964–971
Whittacker, P. 1022–1026
Widmaier, J. M. 364–368, 549–552
Wilke, W. 1768–1775
Wilkes, G. L. 147–155, 882–887, 1800–1813, 2001–2012
Williams, G. 432–437
Williams, J. M. 2279–2283
Williams, R. R. J. 107–115
Wilson, D. 1032–1040
Wimberger-Friedl, R. 1143–1149
Winter, H. H. 831–834, 1257–1261, 2204–2208, 2222–2226
Wintersgill, M. C. 1123–1126
Wissbrun, K. F. 2193–2197
Wiswe, D. 480–488
Witkowski, K. 248–253
Wittmann, J. C. 27–34
Wojtkowski, P. W. 27–34
Wolf, M. 1524–1529
Wolinski, L. 248–253
Won, Y. G. 2013–2018
Wong, P. K. 1357–1366
Woods, J. 1091–1098
Woodward, A. E. 905–909
Wright, P. V. 1179–1183
Wu, S. D. 978–985
Wu, S. 1669–1674
Wu, W.-L. 1384–1388
Wu, Y. 604–609
Wydeven, T. 1571–1575

Xu, M. 17–21, 273–279
Xu, Y. 590–594
Xue, S. 1269–1274

Yagci, Y. 722–725
Yamaguchi, T. 156–160, 672–676, 1895–1902
Yamamoto, M. 534–539, 1328–1331
Yamanaka, K. 662–667, 1839–1844
Yamane, H. 1342–1349
Yamashita, Y. 425–427
Yang, C.-Z. 1204–1212, 1213–1220, 1221–1226
Yang, M. 524–527
Yigit, S. 348–352
Yin, S. 1269–1274
Yokoyama, F. 425–427
Yoon, H. N. 2193–2197
Yoshii, F. 1425–1432
Yoshizawa, H. 534–539
Yoshizumi, M. 1079–1084
Yosomiya, R. 1076–1078

Zachmann, H. G. 379–385, 480–488, 1582–1590
Zandanova, K. T. 97–103
Zang, Y.-H. 2060–2062
Zapas, L. J. 447–452
Zaslavsky, B. Yu. 2104–2111
Zembilgotov, A. G. 265–272
Zerbi, G. 2324–2327
Zhang, X. Q. 1867–1871
Zhang, Z.-Y. 17–21
Zhang, Z.-P. 1269–1274
Zhao, Y. 524–527, 1643–1650
Zheng, J. 604–609
Zheng, Y. L. 654–661
Zhou, Q. 17–21, 273–279
Zhou, R. 2204–2208
Zhulina, E. B. 170–177
Zinger, B. 628–635
Zollfrank, J. 231–236
Zuchowska, D. 467–470, 1085–1090
Zulfiqar, M. 528–533, 2130–2135

Subject Index

Acrylamide
Emulsion
Microsuspension, 127–142
Activation energy
Block copolymers
Nuclear magnetic resonance, 467–470
Dielectric relaxation
Relaxation, 1685–1689
Free radical production
Molecular dynamics, 2297–2304
Additive
Conductivity
Electrical properties, 504–508
Adhesion
Entanglements
Fracture, 84–91
Glass
Composites, 1984–1991
Adsorption
Poly(dimethylsiloxane)
Kinetics, 143–146
Silica
Siloxane, 1820–1823
Ageing
Dynamic mechanical properties
Poly(methyl methacrylate), 1433–1438
Poly(vinyl chloride)
Crystallinity, 1861–1866
Semicrystalline polymer
Mechanical behaviour, 799–814, 815–830
Aggregation
Ionomers
Sulphonation, 1227–1233
Viscometry
Solution, 1690–1694
Alkyltrinitrate-polymer
Characterization
Gas chromatography, 317–323
Amorphous polymers
Deformation
Calorimetry, 1824–1828
Dynamic mechanical properties, 1829–1835
Molecular mobility
Monte-Carlo simulation, 2136–2140
Amorphous structure
Poly(ethylene oxide)
Sodium salt, 1123–1126
Anionic polymerization
Crystallinity
Mechanical properties, 1099–1104
Anisotropy
Dipole moment
Kerr effect, 860–865
Film
Transient grating, 1247–1250
Thermal expansion
Polyimide films, 1170–1174
Annealing
Crystallinity
Crosslinking, 710–717
Polyacrylonitrile
Structure, 1187–1196
Aromatic polymer
Binary mixtures
Polyethylene, 705–709
Polyesteramides
Polycondensation, 558–563
Polyesters
Liquid crystals, 619–627
Aryl ether sulphone
Copolymer
N.m.r. spectroscopy, 1969–1972

Binary mixtures
Aromatic polymer
Polyethylene, 705–709
Polyethylene
Morphology, 410–415
Binding
Complexes
Structure, 1540–1545
Biopolymer
Synthesis
Polymerization, 949–954
Birefringence
Stress
Polycarbonate, 1143–1149
Blends
Copolymer
Dynamic mechanical properties, 654–661
Miscibility, 604–609
Crystallization
Thermal behaviour, 1475–1483
Dielectric properties
Polycarbonate, 1113–1116
Emulsion polymerization
Small-angle neutron scattering, 1913–1917
Epoxy resins
Phase separation, 213–217
Ethylene copolymers
Gas transport, 327–332
FT infra-red spectroscopy
Hydrogen bonding, 1012–1021
Thermal behaviour, 1797–1799
Glass transition
Compatibility, 771–779
Inverse gas chromatography
Interaction parameter, 1155–1159
Miscibility
Crystallization, 2158–2163, 2164–2169
Morphology, 595–603
Styrene, 1279–1286
Transesterification, 1287–1297
Morphology
Composition, 1407–1413
Crystallinity, 1399–1406
Infra-red spectroscopy, 2147–2152
Phase separation, 3–10
Orientation
Frictional coefficient, 1414–1418
Relaxation, 1643–1650
Phase behaviour
Energy changes, 1298–1307
Mixture, 1845–1850
Phase dissolution
Light scattering, 1705–1708
Poly(ethylene oxide)
Crystallization, 1160–1165
Polyethylene
Copolymer, 1133–1136
Processing
Irradiation, 2153–2157
Rheometry
Temperature dependence, 1275–1278
Small-angle neutron scattering
Interaction parameter, 386–392
Thermodynamics
Critical temperatures, 888–892
Thermoplastic
Dynamic mechanical properties, 2047–2053
Viscoelasticity
Modification, 1085–1090
Polybutadiene, 2174–2179
Volume of mixing
Dilatometry, 1524–1529
Block copolymers
Cellulose triacetate
Lignin, 570–575
Compatibility
Miscibility, 2258–2264
Crosslinking
Surface studies, 793–798
Infra-red spectroscopy
Hydrogen bonding, 1234–1242
Nuclear magnetic resonance
Activation energy, 467–470
Nylon
Poly(tetramethylene oxide), 974–977
Polyacetylene
Conducting polymers, 195–201
Polymerization, 1008–1011
Polymer-solvent interaction
Scaling, 170–177
Polymerization
Caprolactone, 338–343

Tetrahydrofuran, 722–725
Small-angle X-ray scattering
Molecular weight distribution, 1389–1398
Branching
Crystallization
End groups, 147–155
Bromination
Polysulphone
Chemical modification, 1137–1142

Calibration procedures
Chromatography
Nylon, 942–948
Calorimetry
Amorphous polymers
Deformation, 1824–1828
Caprolactone
Block copolymers
Polymerization, 338–343
Catalysis
Homopolymerization
Copolymerization, 1350–1356
Microstructure
N.m.r. spectroscopy, 428–431
Polypropylene, 1714–1722
Polymerization
Propylene oxide, 1709–1713
Synthesis
Poly(p-phenylene), 1060–1062
Catalyst
Graft copolymers
Initiation, 933–935
Olefin polymerization
Vanadium (IV), 1336–1341
Cellulose
Crystalline polymer
Wide-angle X-ray scattering, 237–241
Graft copolymers
Diffusion, 182–188
Nuclear magnetic resonance
Structure, 2288–2291
Polyelectrolytes
Graft copolymers, 1751–1757
Cellulose triacetate
Block copolymers
Lignin, 570–575
Chain dynamics
Excluded volume
Hydrodynamic interaction, 2284–2287
Poly(tetrafluoroethylene)
Helix, 585–589
Chain entanglement
Ultrasonic absorption
Dynamic properties, 842–848
Chain folding
Polyethylene
Crystal structure, 1596–1602
Characterization
Alkyltrinitrate-polymer
Gas chromatography, 317–323
Copolyester
Synthesis, 297–303
Electroinitiation
Polymerization, 348–352
Fluorescence polarization
Orientation, 1558–1564
Glass transition temperature
Water, 1946–1950
Latex
Kinetics, 1872–1882
Polyimide
Thermomechanical analysis, 739–744
Polystyrene networks
Diffusion, 549–552
Reactivity ratios
Tacticity, 1942–1945
Solution properties
Polyisoprene, 1695–1704
Synthesis
Crosslinking, 1546–1551
Ionomers, 1204–1212
Nucleophilic substitution, 1552–1557
Polyimide, 1175–1178
Triacetin-polymer
Gas chromatography, 324–326
Chemical modification
Bromination
Polysulphone, 1137–1142
Hydrolysis
Polyacrylamide, 1938–1941
Chromatography
Nylon
Calibration procedures, 942–948
Thermodynamics
Solubility, 2074–2079
Compatibility
Block copolymers
Miscibility, 2258–2264
Copolymer
Poly(vinyl chloride), 2253–2257
Glass transition
Blend, 771–779
Complexes
Binding
Structure, 1540–1545
Composites
Synthesis, 972–973
Computer simulation
Energy calculations, 1179–1183
Electrochemical properties
Electroinitiation, 928–932
Vibrational spectroscopy
Poly(propylene oxide), 1785–1790
Composites
Complexes
Synthesis, 972–973
Filler
Emulsion, 254–258
Glass
Adhesion, 1984–1991
Phase separation
Scaling, 1591–1595
Polystyrene
Solid-state n.m.r., 1663–1668
Rod-like polymer
Young's modulus, 1462–1466
Young's modulus
Morphology, 1656–1662
Composition
Copolymer
Fractionation, 918–927
Dielectric properties
Polarizability, 1314–1318
Morphology
Blends, 1407–1413
Phase separation
Solvent effects, 2279–2283
Relaxation
Elastomer, 2180–2187
Compressibility
Poly(methyl methacrylate)
Poly(vinyl acetate), 648–653
Computer simulation
Complexes
Energy calculations, 1179–1183
Nylon
Polymerization, 1918–1930
Conducting polymers
Conjugation
Cyano groups, 1633–1638
Mechanical properties
Poly(p-phenylene vinylene), 1992–1996
Polyacetylene
Block copolymers, 195–201
Conductivity
Additive
Electrical properties, 504–508
Crosslinking
Mixture, 509–513
Doping
Copolymer, 1041–1047
Electrochemical polymerization
Fibre, 628–635
Configuration
Spectroscopy
Vibrational spectroscopy, 1791–1796
Conformation
Polydiacetylene
Spectroscopy, 1063–1067
Polyesters
Excimer, 1680–1684
X-ray diffraction
Elastic modulus, 1243–1246
Conjugated polymer
Stretching
Solution, 1997–2000
Conjugation
Conducting polymers
Cyano groups, 1633–1638
Copolyester
Liquid crystalline polymer
D.s.c., 2068–2073
Poly(butylene terephthalate)
Liquid crystalline polymer, 1472–1474
Synthesis
Characterization, 297–303
X-ray diffraction
Structure, 225–230, 780–785
Copolyesters
Liquid crystalline polymer
Mechanical properties, 58–62
Copolymer
Aryl ether sulphone
N.m.r. spectroscopy, 1969–1972
Blend
Miscibility, 604–609
Compatibility
Poly(vinyl chloride), 2253–2257
Composition
Fractionation, 918–927
Conductivity
Doping, 1041–1047
Dynamic mechanical properties
Blends, 654–661
E.s.c.a.
Poly(vinylidene fluoride), 1576–1581
Electroactivity
Polysiloxane, 1150–1154
Electrochemical properties
Optical properties, 1319–1327
Electron beam resists
Methyl styrene, 1308–1313
Micelle
Small-angle neutron scattering, 2038–2046
Nuclear magnetic resonance
Crystallization, 1508–1512
Microstructure, 698–704
Structure, 514–518
Organotin polymers
Light scattering, 248–253
Polyethylene
Blends, 1133–1136
Polyimide
Poly(dimethylsiloxane), 986–995
Structure
Piezoelectricity, 1639–1642
Synthesis
Polycondensation, 936–941
Thermal degradation
Synthesis, 2237–2245
Ultrasonics
Phase separation, 1484–1487
Wide-angle X-ray scattering
Ethylene-tetrafluoroethylene, 1768–1775

Copolymer blends
Polyethylene
Mechanical properties, 207–212
Copolymerization
Catalysis
Homopolymerization, 1350–1356
Degradation
Fibre, 1342–1349
Mathematical modelling
Ziegler–Natta catalyst, 280–296
Methyl methacrylate
Crosslinking, 1513–1517
Correlation function
Molecular motion
E.p.r., 165–169
Crack growth
Craze
Fracture, 643–647
Polyethylene
Stress, 2215–2221
Craze
Crack growth
Fracture, 643–647
Entanglements
Reptation, 1651–1655
Stress distribution
Polyethylene, 453–460
Creep
Crosslinking
Polyethylene, 2209–2214
Critical temperatures
Blends
Thermodynamics, 888–892
Crosslink density
Networks
Molecular weight, 2060–2062
Crosslinking
Annealing
Crystallinity, 710–717
Block copolymers
Surface studies, 793–798
Conductivity
Mixture, 509–513
Creep
Polyethylene, 2209–2214
Methyl methacrylate
Copolymerization, 1513–1517
Polyethylene
Irradiation, 866–873
Polyimide
Spectroscopy, 1032–1040
Polypyrrole
Molecular weight, 914–917
Synthesis
Characterization, 1546–1551
Crystal melting
Modelling
Glass transition, 116–126
Crystal structure
Ionene
Thermal behaviour, 2030–2037
Polyethylene
Chain folding, 1596–1602
Defects, 265–272
Thin films
Morphology, 1776–1784
X-ray diffraction
Rietveld method, 786–792
Crystalline polymer
Cellulose
Wide-angle X-ray scattering, 237–241
Small-angle X-ray scattering
Radiation effects, 1582–1590
Crystallinity
Annealing
Crosslinking, 710–717
Mechanical properties
Anionic polymerization, 1099–1104
Morphology
Blends, 1399–1406
Poly(ether-ether-ketone)
Poly(ethylene terephthalate), 489–493
Poly(vinyl chloride)
Ageing, 1861–1866
Polystyrene
Morphology, 590–594
Single crystals
Polyethylene, 1615–1622
Thermal behaviour
Kevlar 49, 218–224
Crystallization
Blends
Poly(ethylene oxide), 1160–1165
Thermal behaviour, 1475–1483
Branching
End Groups, 147–155
Film
Gelation, 1603–1614
Kinetic theory
Polyethylene, 2292–2296
Kinetics
Non-isothermal, 882–887
Mesophase formation
Copolymerization, 2124–2129
Miscibility
Blends, 2158–2163, 2164–2169
Nuclear magnetic resonance
Copolymer, 1508–1512
Poly(ethylene-2,6-naphthalate)
Melting behaviour, 480–488
Polyethylene
Morphology, 22–26
Phase structure, 27–34
Polyisoprene
Glass transition, 2019–2022
Polyphosphazene
Thermotropic behaviour, 1856–1860
Polypropylene
Spherulitic morphology, 399–409
Solvent effects
Polyimide, 718–721
Thermal history
Polyethylene, 874–881
Curing
Epoxy network
Gelation, 2094–2103
Synthesis
Poly(ether ketone), 978–985
Cyclic voltammetry
Spectroscopy
Poly(p-phenylene vinylene), 1048–1053

D.s.c.
Copolyester
Liquid crystalline polymer, 2068–2073
Glass transition temperature
Networks, 2013–2018
Rubber
Glass transition temperature, 1903–1908
Defects
Polyethylene
Crystal structure, 265–272
Deformation
Amorphous polymers
Calorimetry, 1824–1828
Dynamic mechanical properties, 1829–1835
Kevlar
Filaments, 996–1003
Degradation
Copolymerization
Fibre, 1342–1349
Nucleating agent
Polypropylene, 1425–1432
Poly(vinyl alcohol)
Activation, 476–479
Dielectric properties
Composition
Polarizability, 1314–1318
Ionene
Thermal behaviour, 2023–2029
Polycarbonate
Blend, 1113–1116
Dielectric relaxation
Glass transition
Structural relaxation, 849–855
Relaxation
Activation energy, 1685–1689
Diels-Alder reaction
Poly(vinyl chloride)
N.m.r. spectroscopy, 360–363
Differential refractometry
Light scattering
He–Ne laser, 1379–1383
Diffusion
Cellulose
Graft copolymers, 182–188
Drawing
Relaxation, 2087–2093
Polystyrene networks
Characterization, 549–552
Dilatometry
Blends
Volume of mixing, 1524–1529
Dipole moment
Kerr effect
Anisotropy, 860–865
Domain
Poly(phenylene sulphide)
Poly(ether sulphone), 1867–1871
Doping
Conductivity
Copolymer, 1041–1047
Structural relaxation
Low-temperature properties, 231–236
Drawing
Diffusion
Relaxation, 2087–2093
Poly(ethylene terephthalate)
Supermolecular structure, 242–247
Dynamic light scattering
Static light scattering
Scattering, 1197–1203
Dynamic mechanical analysis
Orientation
Transition phenomena, 2193–2197
Phase transition
Liquid crystals, 1257–1261
Dynamic mechanical properties
Ageing
Poly(methyl methacrylate), 1433–1438
Amorphous polymers
Deformation, 1829–1835
Copolymer
Blends, 654–661
Latex
Viscoelasticity, 1883–1894
Liquid crystals
Orientation, 2188–2192
Poly(vinylidene fluoride)
Poly(vinyl pyrrolidone), 1251–1256
Thermoplastic
Blends, 2047–2053
Dynamic properties
Ultrasonic absorption
Chain entanglement, 842–848
Dynamics
Electron spin resonance
Elastomer, 1836–1838
Polyisoprene
Fluorescence anisotropy decay, 1262–1268

E.p.r.
Molecular motion
Correlation function, 165–169
E.s.c.a.
Poly(tetrafluoroethylene)
Kapton F, 1571–1575

Poly(vinylidene fluoride)
Copolymer, 1576–1581
Elastic modulus
X-ray diffraction
Conformation, 1243–1246
Elasticity
Poly(vinyl alcohol)
Hydrogel, 762–765
Elastomer
Electron spin resonance
Dynamics, 1836–1838
Excimer fluorescence
Free volume theory, 443–446
Nylon
Rubber blends, 71–77
Poly(dimethylsiloxane)
Siloxane, 104–106
Polyethylene
Mechanical properties, 1446–1455
Relaxation
Composition, 2180–2187
Shear
Orientation, 92–96
Viscoelasticity, 831–834
Electrical properties
Conductivity
Additive, 504–508
Electroactivity
Polysiloxane
Copolymer, 1150–1154
Electrochemical polymerization
Fibre
Conductivity, 628–635
Styrene
Film, 752–755
Electrochemical properties
Copolymer
Optical properties, 1319–1327
Electroinitiation
Complexes, 928–932
Film
Quinoline, 1076–1078
Electrodeposition
Polypyrrole
Polyacrylate, 353–359
Electroinitiation
Electrochemical properties
Complexes, 928–932
Polymerization
Characterization, 348–352
Electron beam
Plasma etch resistance
Resists, 1022–1026
Electron beam resists
Methyl styrene
Copolymer, 1308–1313
Electron microscopy
Single crystals
Polyesters, 1973–1976
Electron spin resonance
Elastomer
Dynamics, 1836–1838
Interpenetrating networks
Paramagnetic probes, 11–16
Emulsion
Acrylamide
Microsuspension, 127–142
Composites
Filler, 254–258
Emulsion polymerization
Blend
Small-angle neutron scattering, 1913–1917
Energy calculations
Complexes
Computer simulation, 1179–1183
Energy changes
Blends
Phase behaviour, 1298–1307
Entanglements
Adhesion
Fracture, 84–91
Craze
Reptation, 1651–1655
Epoxies
Network
Neutron scattering, 1384–1388
Epoxy compounds
Miscibility
Phase separation, 107–115
Epoxy network
Curing
Gelation, 2094–2103
Epoxy resins
Blend
Phase separation, 213–217
Fracture toughness
Relaxation, 1079–1084
Phase separation
Light scattering, 1839–1844
Structure
Poly(ether sulphone), 662–667
Equation of state
Liquid crystals
Spacer group, 1467–1471
Polyethylene
Polystyrene, 672–676
Polystyrene
Molecular weight, 1675–1679
Viscosity
Temperature dependence, 1895–1902
Ethylene copolymers
Blends
Gas transport, 327–332
Ethylene-tetrafluoroethylene
Wide-angle X-ray scattering
Copolymer, 1768–1775
Excimer
Polyesters
Conformation, 1680–1684
Excimer fluorescence
Elastomer
Free volume theory, 443–446
Excluded volume
Hydrodynamic interaction
Chain dynamics, 2284–2287
Rheological properties
Hydrodynamic interaction, 259–264

FT infra-red spectroscopy
Hydrogen bonding
Blends, 1012–1021
Thermal behaviour
Blends, 1797–1799
Fibre
Copolymerization
Degradation, 1342–1349
Electrochemical polymerization
Conductivity, 628–635
Polyethylene
Wide-angle X-ray scattering, 1964–1968
Fibril
Microscopy
Polyacetylene, 425–427
Filaments
Kevlar
Deformation, 996–1003
Filler
Composites
Emulsion, 254–258
Film
Anisotropy
Transient grating, 1247–1250
Electrochemical properties
Quinoline, 1076–1078
Gelation
Crystallization, 1603–1614
Infra-red spectroscopy
Polyethylene, 2324–2327
Photoconductivity
Transport, 1328–1331
Polyenes
Photodegradation, 1419–1424
Styrene
Electrochemical polymerization, 752–755
Flory–Huggins parameter
Ternary systems
Interaction parameter, 897–904
Fluorescence
Molecular weight
Quantum yield, 1955–1958
Polarization
Copolymers, 1072–1075
Fluorescence anisotropy decay
Polybutadiene
Mobility probe, 51–57
Polyisoprene
Dynamics, 1262–1268
Fluorescence polarization
Orientation
Characterization, 1558–1564
Formaldehyde
Polysulphides
Synthesis, 564–569
Fractionation
Composition
Copolymer, 918–927
Poly(propylene oxide)
Stereoregularity, 2328–2331
Fracture
Adhesion
Entanglements, 84–91
Crack growth
Craze, 643–647
Interpenetrating networks
Microstructure, 416–424
Fracture toughness
Epoxy resin
Relaxation, 1079–1084
Free radical production
Kinetics
Gelation, 1518–1523
Molecular dynamics
Activation energy, 2297–2304
Free volume theory
Excimer fluorescence
Elastomer, 443–446
Photocyclomerization
Temperature dependence, 534–539
Viscosity
Poly(methyl methacrylate), 461–466
Free-radical polymerization
Kinetics
Acenaphthylene, 540–548
Frictional coefficient
Blends
Orientation, 1414–1418
Functional group
Kinetics
Polymerization, 1742–1746

Gas chromatography
Alkyltrinitrate-polymer
Characterization, 317–323
Triacetin-polymer
Characterization, 324–326
Gas permeability
Membrane
Synthesis, 1536–1539
Gas transport
Ethylene copolymers
Blends, 327–332
Solubility
Poly(4-methyl-1-pentene), 1357–1366
Gel
Spherulite
High modulus, 2170–2173
Swelling
Poly(methacrylic acid), 677–680

Gel formation
Nuclear magnetic resonance
Sol-gel transition, 693–697
Gelation
Curing
Epoxy network, 2094–2103
Film
Crystallization, 1603–1614
Kinetics
Free radical production, 1518–1523
Phase transitions
Membrane, 2118–2123
Poly(dimethylsiloxane)
Polymer networks, 364–368
Rheology
Poly(dimethylsiloxane), 2222–2226
Glass
Composites
Adhesion, 1984–1991
Glass transition
Blend
Compatibility, 771–779
Modelling
Crystal melting, 116–126
Polybutadiene
Fluorescence probe, 45–50
Polyisoprene
Crystallization, 2019–2022
Laser Raman spectroscopy, 524–527
Structural relaxation
Dielectric relaxation, 849–855
Thermodynamics
Polystyrene, 2246–2252
Glass transition temperature
Characterization
Water, 1946–1950
Networks
D.s.c., 2013–2018
Poly(phenylene oxide)
Intrinsic viscosity, 344–347
Rubber
D.s.c., 1903–1908
Thermally stimulated current
Relaxation, 1977–1983
Graft copolymers
Catalyst
Initiation, 933–935
Cellulose
Diffusion, 182–188
Morphology
Structure, 202–206
Polyelectrolytes
Cellulose, 1751–1757
Humidity sensor, 1068–1071
Polysulphone
Synthesis, 1931–1937
Polyurethane
Polysiloxane, 553–557
Grafting
Polyurethane
Polymerization, 1332–1335
Synthesis, 745–751

Halogen
Polyacrylamide
Polymer supported reaction, 178–181
He–Ne laser
Light scattering
Differential refractometry, 1379–1383
Heat capacity
Polystyrene
Temperature dependence, 156–160
Helix
Poly(tetrafluoroethylene)
Chain dynamics, 585–589
High modulus
Spherulite
Gel, 2170–2173
Homopolymerization
Catalysis
Copolymerization, 1350–1356
Humidity sensor
Graft copolymers
Polyelectrolytes, 1068–1071
Hydrodynamic interaction
Excluded volume
Chain dynamics, 2284–2287
Rheological properties
Excluded volume, 259–264
Hydrodynamic properties
Intrinsic viscosity
Light scattering, 615–618
Hydrogel
Poly(ethylene oxide)
Synthesis, 2130–2135
Poly(vinyl alcohol)
Elasticity, 762–765
Hydrogen bonding
FT infra-red spectroscopy
Blends, 1012–1021
Infra-red spectroscopy
Block copolymers, 1234–1242
Hydrolysis
Chemical modification
Polyacrylamide, 1938–1941
Hydroxypropyl cellulose
Liquid crystals
Crosslinking, 2063–2067
Hysteresis
Liquid crystals
Thermodynamics, 949–503

Infra-red spectroscopy
Blends
Morphology, 2147–2152
Hydrogen bonding
Block copolymers, 1234–1242
Poly(ethylene terephthalate)
Nucleation, 910–913
Polyethylene
Film, 2324–2327
Polyurethane networks
Kinetics, 1269–1274
Temperature effects
Polyisoprene, 905–909
Initiation
Graft copolymers
Catalysi, 933–935
Poly(dimethylsiloxane)
Polymerization, 333–337
Injection moulding
Thermotropic polyesters
Microstructure, 1105–1112
Interaction parameter
Blend
Small-angle neutron scattering, 386–392
Flory-Huggins parameter
Ternary systems, 897–904
Inverse gas chromatography
Blends, 1155–1159
Polystyrene, 1493–1497
Small-angle neutron scattering, 471–475
Solubility
Thermodynamics, 686–692
Interpenetrating networks
Fracture
Microstructure, 416–424
Lignin
Phase behaviour, 2265–2268
Paramagnetic probes
Electron spin resonance, 11–16
Intrinsic viscosity
Hydrodynamic properties
Light scattering, 615–618
Poly(phenylene oxide)
Glass transition temperature, 344–347
Inverse gas chromatography
Interaction parameter
Blends, 1155–1159
Polystyrene, 1493–1497
Small-angle neutron scattering, 471–475
Ionene
Crystal structure
Thermal behaviour, 2030–2037
Thermal behaviour
Dielectric properties, 2023–2029
Ionomers
Polyurethane
EXAFs, 1221–1226
Sulphonation, 2320–2323
Small-angle X-ray scattering
Polyurethane, 1213–1220
Sulphonation
Aggregation, 1227–1233
Synthesis
Characterization, 1204–1212
Irradiation
Mechanical properties
Tensile properties, 2054–2059
Poly(vinyl chloride)
Structure, 35–39
Polyethylene
Crosslinking, 866–873
Processing
Blends, 2153–2157

Kerr effect
Dipole moment
Anisotropy, 860–865
Kevlar
Deformation
Filaments, 996–1003
Kevlar 49
Thermal behaviour
Crystallinity, 218–224
Kinetic model
Step-growth polymerization
Molecular weight distribution, 1733–1741
Kinetic theory
Crystallization
Polyethylene, 2292–2296
Kinetics
Crystallization
Non-isothermal, 882–887
Free radical production
Gelation, 1518–1523
Free-radical polymerization
Acenaphthylene, 540–548
Latex
Characterization, 1872–1882
Poly(dimethylsiloxane)
Adsorption, 143–146
Polycondensation
Oxidation, 1851–1855
Polymerization
Functional group, 1742–1746
Polyurethane networks
Infra-red spectroscopy, 1269–1274

Langmuir–Blodgett films
Photopolymerization
Thin films, 1959–1963
Laser Raman spectroscopy
Polyisoprene
Glass transition, 524–527
Latex
Kinetics
Characterization, 1872–1882
Viscoelasticity
Dynamic mechanical properties, 1883–1894
Light scattering
Blends
Phase dissolution, 1705–1708

Differential refractometry
He–Ne laser, 1379–1383
Intrinsic viscosity
Hydrodynamic properties, 615–618
Organotin polymers
Copolymer, 248–253
Phase separation
Epoxy resins, 1839–1844
Polystyrene
Ternary systems, 610–614
Lignin
Block copolymers
Cellulose triacetate, 570–575
Interpenetrating networks
Phase behaviour, 2265–2268
Liquid crystalline polymer
Copolyesters
D.s.c., 2068–2073
Mechanical properties, 58–62
Phase transition
Molecular weight, 2269–2278
Photoinitiation
Polymerization, 1909–1912
Poly(butylene terephthalate)
Copolyester, 1472–1474
Siloxane polymers
Alignment, 438–442
Structure
Rheology, 2204–2208
Thermally stimulated current
Optical properties, 2227–2236
Liquid crystals
Aromatic polymer
Polyesters, 619–627
Dynamic mechanical properties
Orientation, 2188–2192
Phase behaviour
Ternary systems, 311–316
Phase transition
Dynamic mechanical analysis, 1257–1261
Phase transitions
Polyester, 273–279
Polydiacetylene
Optoelectronics, 1004–1007
Polysiloxane
Speciality polymers, 964–971
Spacer group
Equation of state, 1467–1471
Thermodynamics
Hysteresis, 494–503
Liquid polymers
Viscoelastic relaxation
Shear, 97–103
Low-temperature properties
Structural relaxation
Doping, 231–236

Magnetic field
Siloxane polymers
Alignment, 432–437
Maleic anhydride
Nylon
Rubber blends, 63–70
Mathematical modelling
Copolymerization
Ziegler–Natta catalyst, 280–296
Mechanical behaviour
Ageing
Semicrystalline polymer, 799–814, 815–830
Mechanical properties
Conducting polymers
Poly(p-phenylene vinylene), 1992–1996
Copolyesters
Liquid crystalline polymer, 58–62
Crystallinity
Anionic polymerization, 1099–1104
Irradiation
Tensile properties, 2054–2059
Morphology
Siloxane, 1800–1813
Polyethylene
Copolymer blends, 207–212
Elastomer, 1446–1455
Swelling
Polyacrylamide, 2198–2203
Mechanical relaxation
Polypropylene
Temperature dependence, 1439–1445
Melting behaviour
Poly(ethylene-2,6-naphthalate)
Crystallization, 480–488
Membrane
Gas permeability
Synthesis, 1536–1539
Permeation
Separation, 1117–1122
Phase transitions
Gelation, 2118–2123
Transport
Poly(vinyl alcohol), 1367–1374
Mesophase formation
Crystallization
Copolymerization, 2124–2129
Methyl methacrylate
Copolymerization
Crosslinking, 1513–1517
Methyl styrene
Electron beam resists
Copolymer, 1308–1313
Micelle
Copolymer
Small-angle neutron scattering, 2038–2046
Microscopy
Polyacetylene
Fibril, 425–427
Microstructure
Catalysis
N.m.r. spectroscopy, 428–431
Interpenetrating networks
Fracture, 416–424
Nuclear magnetic resonance
Copolymer, 698–704
Polymerization
Terpolymers, 756–761
Polypropylene
Catalysis, 1714–1722
Thermotropic polyesters
Injection moulding, 1105–1112
Microsuspension
Acrylamide
Emulsion, 127–142
Miscibility
Blends
Styrene 1279–1286
Transesterification, 1287–1297
Compatibility
Block copolymers, 2258–2264
Crystallization
Blends, 2158–2163, 2164–2169
Epoxy compounds
Phase separation, 107–115
Morphology
Blends, 595–603
Poly(ethylene oxide)
Poly(methyl methacrylate), 393–398
Mixture
Blend
Phase behaviour, 1845–1850
Crosslinking
Conductivity, 509–513
Phase separation
Water, 2104–2111
Mobility probe
Polybutadiene
Fluorescence anisotropy decay, 51–57
Modelling
Crystal melting
Glass transition, 116–126
Polyesters
Nitroglycerine, 1488–1492
X-ray diffraction
Structure, 1763–1767
Modification
Viscoelasticity
Blends, 1085–1090
Molecular dynamics
Free radical production
Activation energy, 2297–2304
Nuclear magnetic resonance
Molecular motion, 519–523
Molecular mobility
Amorphous polymers
Monte-Carlo simulation, 2136–2140
Molecular motion
E.p.r.
Correlation function, 165–169
Nuclear magnetic resonance
Molecular dynamics, 519–523
Molecular weight
Crosslink density
Networks, 2060–2062
Crosslinking
Polypyrrole, 914–917
Equation of state
Polystyrene, 1675–1679
Fluorescence
Quantum yield, 1955–1958
Phase transition
Liquid crystalline polymer, 2269–2278
Poly(ether-ether-ketone)
Nuclear magnetic resonance, 161–164
Poly(tetrafluoroethylene)
Spectroscopy, 1669–1674
Molecular weight distribution
Block copolymers
Small-angle X-ray scattering, 1389–1398
Step-growth polymerization
Kinetic model, 1733–1741
Monte-Carlo simulation
Amorphous polymers
Molecular mobility, 2136–2140
Solvent effects
Temperature effects, 681–685
Morphology
Blends
Composition, 1407–1413
Crystallinity, 1399–1406
Infra-red spectroscopy, 2147–2152
Phase separation, 3–10
Composites
Young's modulus, 1656–1662
Graft copolymers
Structure, 202–206
Miscibility
Blends, 595–603
Poly(tetrafluoroethylene)
Polymerization, 1723–1732
Polyethylene
Binary mixtures, 410–415
Crystallization, 22–26
Polystyrene
Crystallinity, 590–594
Siloxane
Mechanical properties, 1800–1813
Small-angle scattering
Thermotropic polyesters, 17–21
Thin films
Crystal structure, 1776–1784

N.m.r. spectroscopy
Aryl ether sulphone
Copolymer, 1969–1972
Microstructure
Catalysis, 428–431

Poly(vinyl chloride)
Diels–Alder reaction, 360–363
Polymerization
Stereochemistry, 1530–1535
Networks
Crosslink density
Molecular weight, 2060–2062
Epoxies
Neutron scattering, 1384–1388
Glass transition temperature
D.s.c., 2013–2018
Neutron scattering
Networks
Epoxies, 1384–1388
Polyesters
Transesterification, 379–385
Nitroglycerine
Polyesters
Modelling, 1488–1492
Non-isothermal
Crystallization
Kinetics, 882–887
Non-linear optics
Polydiacetylene
Spectroscopy, 1027–1031
Spectroscopy
Optical devices, 1166–1169
Nuclear magnetic resonance
Block copolymers
Activation energy, 467–470
Cellulose
Structure, 2288–2291
Copolymer
Crystallization, 1508–1512
Structure, 514–518
Microstructure
Copolymer, 698–704
Molecular dynamics
Molecular motion, 519–523
Poly(ether-ether-ketone)
Molecular weight, 161–164
Polyester
Styrene, 1498–1507
Sol–gel transition
Gel formation, 693–697
Nucleating agent
Degradation
Polypropylene, 1425–1432
Nucleation
Poly(ethylene terephthalate)
Infra-red spectroscopy, 910–913
Nucleophilic substitution
Synthesis
Characterization, 1552–1557
Nylon
Chromatography
Calibration procedures, 942–948
Computer simulation
Polymerization, 1918–1930
Poly(tetramethylene oxide)
Block copolymers, 974–977
Rubber blends
Elastomer, 71–77
Maleic anhydride, 63–70
Structure, 78–83

Olefin polymerization
Catalyst
Vanadium (IV), 1336–1341
Optical activity
Stereoelective reaction
Polymerization, 2312–2319
Optical devices
Non-linear optics
Spectroscopy, 1166–1169
Optical properties
Copolymer
Electrochemical properties, 1319–1327
Thermally stimulated current
Liquid crystalline polymer, 2227–2236
Optoelectronics
Polydiacetylene
Liquid crystals, 1004–1007
Organotin polymers
Light scattering
Copolymer, 248–253
Orientation
Blends
Frictional coefficient, 1414–1418
Dynamic mechanical analysis
Transition phenomena, 2193–2197
Elastomer
Shear, 92–96
Fluorescence polarization
Characterization, 1558–1564
Liquid crystals
Dynamic mechanical properties, 2188–2192
Poly(vinyl alcohol)
Polyenes, 856–859
Relaxation
Blends, 1643–1650
Oxidation
Polycondensation
Kinetics, 1851–1855

Paramagnetic probes
Interpenetrating networks
Electron spin resonance, 11–16
Permeation
Separation
Membrane, 1117–1122
Phase behaviour
Blends
Energy changes, 1298–1307
Mixture, 1845–1850
Interpenetrating networks
Lignin, 2265–2268
Ternary systems
Liquid crystals, 311–316
Phase dissolution
Blends
Light scattering, 1705–1708
Phase separation
Composition
Solvent effects, 2279–2283
Epoxy compounds
Miscibility, 107–115
Epoxy resins
Blend, 213–217
Light scattering, 1839–1844
Morphology
Blend, 3–10
Scaling
Composites, 1591–1595
Solubility
Polyelectrolytes, 2112–2117
Ultrasonics
Copolymer, 1484–1487
Water
Mixture, 2104–2111
Phase structure
Polyethylene
Crystallization, 27–34
Polypropylene blends
Thermal properties, 304–310
Phase transition
Liquid crystals
Dynamic mechanical analysis, 1257–1261
Polyester, 273–279
Membrane
Gelation, 2118–2123
Molecular weight
Liquid crystalline polymer, 2269–2278
Photoconductivity
Film
Transport, 1328–1331
Photocyclomerization
Free volume theory
Temperature dependence, 534–539
Photodegradation
Polyenes
Film, 1419–1424
Photoinitiation
Polymerization
Liquid crystalline polymer, 1909–1912
Photopolymerization
Thin films
Langmuir–Blodgett films, 1959–1963
Piezoelectricity
Structure
Copolymer, 1639–1642
Plasma etch resistance
Electron beam
Resists, 1022–1026
Polarizability
Dielectric properties
Composition, 1314–1318
Polarization
Fluorescence
Copolymers, 1072–1075
Poly(amidourethane)s
Synthesis
Thermal behaviour, 1127–1132
Poly(butylene terephthalate)
Liquid crystalline polymer
Copolyester, 1472–1474
Rubber blends
Polymerization, 835–841
Poly(dimethylsiloxane)
Adsorption
Kinetics, 143–146
Copolymer
Polyimide, 986–995
Initiation
Polymerization, 333–337
Polymer networks
Gelation, 364–368
Rheology
Gelation, 2222–2226
Siloxane
Elastomer, 104–106
Poly(ether ketone)
Synthesis
Curing, 978–985
Poly(ether sulphone)
Domain
Poly(phenylene sulphide), 1867–1871
Structure
Epoxy resin, 662–667
Poly(ether-ether-ketone)
Molecular weight
Nuclear magnetic resonance, 161–164
Poly(ethylene terephthalate)
Crystallinity, 489–493
Poly(ethylene glycol)
Poly(ethylene oxide)
Water, 528–533
Poly(ethylene oxide)
Amorphous structure
Sodium salt, 1123–1126
Blends
Crystallization, 1160–1165
Hydrogel
Synthesis, 2130–2135
Poly(ethylene glycol)
Water, 528–533
Poly(methyl methacrylate)
Miscibility, 393–398
Poly(ethylene terephthalate)
Drawing
Supermolecular structure, 242–247
Nucleation
Infra-red spectroscopy, 910–913
Poly(ether-ether-ketone)
Crystallinity, 489–493
Polyethylene
Tensile properties. 636–642

Poly(ethylene-2,6-naphthalate)
Crystallization
Melting behaviour, 480–488
Poly(methacrylic acid)
Swelling
Gel, 677–680
Poly(methyl methacrylate)
Ageing
Dynamic mechanical properties, 1433–1438
Compressibility
Poly(vinyl acetate), 648–653
Free volume theory
Viscosity, 461–466
Poly(ethylene oxide)
Miscibility, 393–398
Poly(p-phenylene vinylene)
Mechanical properties
Conducting polymers, 1992–1996
Spectroscopy
Cyclic voltammetry, 1048–1053
Poly(phenylene oxide)
Glass transition temperature
Intrinsic viscosity, 344–347
Poly(phenylene sulphide)
Domain
Poly(ether sulphone), 1867–1871
Poly(propylene oxide)
Fractionation
Stereoregularity, 2328–2331
Vibrational spectroscopy
Complexes, 1785–1790
Poly(tetrafluoroethylene)
Chain dynamics
Helix, 585–589
E.s.c.a.
Kapton F, 1571–1575
Molecular weight
Spectroscopy, 1669–1674
Morphology
Polymerization, 1723–1732
Poly(tetramethylene oxide)
Nylon
Block copolymers, 974–977
Tensile properties
Structure-property, 2001–2012
Poly(vinyl acetate)
Compressibility
Poly(methyl methacrylate), 648–653
Poly(vinyl alcohol)
Degradation
Activation, 476–479
Hydrogel
Elasticity, 762–765
Polyenes
Orientation, 856–859
Transport
Membrane, 1367–1374
Poly(vinyl chloride)
Compatibility
Copolymer, 2253–2257
Crystallinity
Ageing, 1861–1866
Diels–Alder reaction
N.m.r. spectroscopy, 360–363
Structure
Irradiation, 35–39
Poly(vinyl pyrrolidone)
Dynamic mechanical properties
Poly(vinylidene fluoride), 1251–1256
Poly(vinylidene fluoride)
Dynamic mechanical properties
Poly(vinyl pyrrolidone), 1251–1256
E.s.c.a.
Copolymer, 1576–1581
Polyacetylene
Block copolymers
Conducting polymers, 195–201
Polymerization, 1008–1011
Microscopy
Fibril, 425–427
Polyacrylamide
Chemical modification
Hydrolysis, 1938–1941
Halogen
Polymer supported reaction, 178–181
Mechanical properties
Swelling, 2198–2203
Polyacrylonitrile
Structure
Annealing, 1187–1196
Polyaniline
Polymerization
Synthesis, 2305–2311
Polybutadiene
Fluorescence anisotropy decay
Mobility probe, 51–57
Glass transition
Fluorescence probe, 45–50
Viscoelasticity
Blend, 2174–2179
Polycarbonate
Dielectric properties
Blend, 1113–1116
Polystyrene
Surface analysis, 40–44
Stress
Birefringence, 1143–1149
Polycondensation
Copolymer
Synthesis, 936–941
Oxidation
Kinetics, 1851–1855
Polyesteramides
Aromatic polymer, 558–563
Polydiacetylene
Liquid crystals
Optoelectronics, 1004–1007
Non-linear optics
Spectroscopy, 1027–1031
Spectroscopy
Conformation, 1063–1067
Polyelectrolytes
Graft copolymers
Cellulose, 1751–1757
Humidity sensor, 1068–1071
Phase separation
Solubility, 2112–2117
Polyenes
Photodegradation
Film, 1419–1424
Poly(vinyl alcohol)
Orientation, 856–859
Polyesteramides
Aromatic polymer
Polycondensation, 558–563
Polyesters
Aromatic polymer
Liquid crystals, 619–627
Conformation
Excimer, 1680–1684
Electron microscopy
Single crystals, 1973–1976
Nitroglycerine
Modelling, 1488–1492
Nuclear magnetic resonance
Styrene, 1498–1507
Phase transitions
Liquid crystals, 273–279
Transesterification
Neutron scattering, 379–385
Polyethylene
Binary mixtures
Aromatic polymer, 705–709
Morphology, 410–415
Copolymer
Blends, 1133–1136
Crack growth
Stress, 2215–2221
Creep
Crosslinking, 2209–2214
Crosslinking
Irradiation, 866–873
Crystal structure
Chain folding, 1596–1602
Defects, 265–272
Crystallization
Kinetic theory, 2292–2296
Morphology, 22–26
Phase structure, 27–34
Thermal history, 874–881
Elastomer
Mechanical properties, 1446–1455
Equation of state
Polystyrene, 672–676
Fibre
Wide-angle X-ray scattering, 1964–1968
Infra-red spectroscopy
Film, 2324–2327
Mechanical properties
Copolymer blends, 207–212
Processing
Stabilizer, 2080–2086
Synthesis, 1814–1819
Single crystals
Crystallinity, 1615–1622
Strain
Stress, 447–452, 1456–1461
Stress distribution
Craze, 453–460
Tensile properties
Poly(ethylene terephthalate), 636–642
Polyimide
Characterization
Thermomechanical analysis, 739–744
Copolymer
Poly(dimethylsiloxane), 986–995
Crosslinking
Spectroscopy, 1032–1040
Fracture toughness
Crazing, 2279–2283
Solvent effects
Crystallization, 718–721
Synthesis
Characterization, 1175–1178
Polyimide films
Thermal expansion
Anisotropy, 1170–1174
Polyisoprene
Fluorescence anisotropy decay
Dynamics, 1262–1268
Glass transition
Crystallization, 2019–2022
Infra-red spectroscopy
Temperature effects, 905–909
Laser Raman spectroscopy
Glass transition, 524–527
Solution properties
Characterization, 1695–1704
Polymer chains
Statistical analysis
Single crystals, 1623–1632
Polymer networks
Poly(dimethylsiloxane)
Gelation, 364–368
Polymer–solvent interaction
Block copolymers
Scaling, 170–177
Polymerization
Biopolymer
Synthesis, 949–954
Block copolymers
Caprolactone, 338–343
Tetrahydrofuran, 722–725
Catalysis
Propylene oxide, 1709–1713
Computer simulation
Nylon, 1918–1930

Electroinitiation
Characterization, 348–352
Kinetics
Functional group, 1742–1746
Microstructure
Terpolymers, 756–761
N.m.r. spectroscopy
Stereochemistry, 1530–1535
Photoinitiation
Liquid crystalline polymer, 1909–1912
Poly(butylene terephthalate)
Rubber blends, 835–841
Poly(dimethylsiloxane)
Initiation, 333–337
Poly(tetrafluoroethylene)
Morphology, 1723–1732
Polyacetylene
Block copolymers, 1008–1011
Polyurethanes
Grafting, 1332–1335
Stereoelective reaction
Optical activity, 2312–2319
Synthesis
Polyaniline, 2305–2311
Theoretical model
Zwitterion, 1747–1750

Polyorganophosphazenes
Thermotropic behaviour
Side groups, 579–584

Polyphosphazene
Crystallization
Thermotropic behaviour, 1856–1860

Polypropylene
Mechanical relaxation
Temperature dependence, 1439–1445
Microstructure
Catalysis, 1714–1722
Nucleating agent
Degradation, 1425–1432
Spherulitic morphology
Crystallization, 399–409

Polypropylene blends
Phase structure
Thermal properties, 304–310

Polypyrrole
Crosslinking
Molecular weight, 914–917
Electrodeposition
Polyacrylate, 353–359

Polysiloxane
Electroactivity
Copolymer, 1150–1154
Graft copolymers
Polyurethane, 553–557
Liquid crystals
Speciality polymers, 964–971

Polystyrene
Composites
Solid-state n.m.r., 1663–1668
Equation of state
Molecular weight, 1675–1679
Polyethylene, 672–676
Heat capacity
Temperature dependence, 156–160
Interaction parameter
Inverse gas chromatography, 1493–1497
Morphology
Crystallinity, 590–594
Polycarbonate
Surface analysis, 40–44
Surface pressure
Solvent effect, 668–671
Ternary systems
Light scattering, 610–614
Thermodynamics
Glass transition, 2246–2252

Polystyrene networks
Characterization
Diffusion, 549–552

Polysulphides
Synthesis
Formaldehyde, 564–569

Polysulphone
Bromination
Chemical modification, 1137–1142
Synthesis
Graft copolymers, 1931–1937

Polyurethane
Graft copolymers
Polysiloxane, 553–557
Grafting
Synthesis, 745–751
Ionomers
EXAFs, 1221–1226
Sulphonation, 2320–2323
Polymerization
Grafting, 1332–1335
Small-angle X-ray scattering
Ionomers, 1213–1220

Polyurethane networks
Kinetics
Infra-red spectroscopy, 1269–1274

Processing
Blends
Irradiation, 2153–2157
Polyethylene
Synthesis, 1814–1819
Stabilizer
Polyethylene, 2080–2086

Propylene oxide
Catalysis
Polymerization, 1709–1713

Quantum yield
Molecular weight
Fluorescence, 1955–1958

Quinoline
Electrochemical properties
Film, 1076–1078

Radiation effects
Small-angle X-ray scattering
Crystalline polymer, 1582–1590

Reactivity ratios
Characterization
Tacticity, 1942–1945

Relaxation
Dielectric relaxation
Activation energy, 1685–1689
Drawing
Diffusion, 2087–2093
Elastomer
Composition, 2180–2187
Fracture toughness
Epoxy resin, 1079–1084
Orientation
Blends, 1643–1650
Thermally stimulated current
Glass transition temperature, 1977–1983

Reptation
Craze
Entanglements, 1651–1655

Resists
Electron beam
Plasma etch resistance, 1022–1026
Vapour deposition
Synthesis, 1091–1098

Rheological properties
Excluded volume
Hydrodynamic interaction, 259–264

Rheology
Gelation
Poly(dimethylsiloxane), 2222–2226
Structure
Liquid crystalline polymer, 2204–2208

Rheometry
Blends
Temperature dependence, 1275–1278

Rietveld method
X-ray diffraction
Crystal structure, 786–792

Rod-like polymer
Composites
Young's modulus, 1462–1466

Rubber
D.s.c.
Glass transition temperature, 1903–1908

Rubber blends
Nylon
Elastomer, 71–77
Maleic anhydride, 63–70
Structure, 78–83
Poly(butylene terephthalate)
Polymerization, 835–841

Scaling
Block copolymers
Polymer-solvent interaction, 170–177
Phase separation
Composites, 1591–1595

Scattering
Dynamic light scattering
Static light scattering, 1197–1203

Semicrystalline polymer
Ageing
Mechanical behaviour, 799–814, 815–830

Separation
Permeation
Membrane, 1117–1122

Shear
Elastomer
Orientation, 92–96
Liquid polymers
Viscoelastic relaxation, 97–103
Viscoelasticity
Elastomer, 831–834

Silica
Siloxane
Adsorption, 1820–1823

Siloxane
Morphology
Mechanical properties, 1800–1813
Poly(dimethylsiloxane)
Elastomer, 104–106
Silica
Adsorption, 1820–1823

Siloxane polymers
Liquid crystalline polymer
Alignment, 438–442
Magnetic field
Alignment, 432–437

Single crystals
Electron microscopy
Polyesters, 1973–1976
Statistical analysis
Polymer chains, 1623–1632

Small angle neutron scattering
Blend
Emulsion polymerization, 1913–1917
Interaction parameter, 386–392
Copolymer
Micelle, 2038–2046
Interaction parameter
Inverse gas chromatography, 471–475

Small-angle scattering
Morphology
Thermotropic polyesters, 17–21

Small-angle X-ray scattering
Crystalline polymer
Radiation effects, 1582–1590

Sodium salt
Amorphous structure
Poly(ethylene oxide), 1123–1126

Sol–gel transition
Nuclear magnetic resonance
Gel formation, 693–697

Solid-state n.m.r.
Polystyrene
Composites, 1663–1668
Solubility
Chromatography
Thermodynamics, 2074–2079
Gas transport
Poly(4-methyl-1-pentene), 1357–1366
Phase separation
Polyelectrolytes, 2112–2117
Thermodynamics
Interaction parameter, 686–692
Solution
Stretching
Conjugated polymer, 1997–2000
Viscometry
Aggregation, 1690–1694
Solution properties
Characterization
Polyisoprene, 1695–1704
Solvent effects
Composition
Phase separation, 2279–2283
Polystyrene
Surface pressure, 668–671
Temperature effects
Monte-Carlo simulation, 681–685
Spacer group
Equation of state
Liquid crystals, 1467–1471
Speciality polymers
Liquid crystals
Polysiloxane, 964–971
Spectroscopy
Configuration
Vibrational spectroscopy, 1791–1796
Cyclic voltammetry
Poly(p-phenylene vinylene), 1048–1053
Molecular weight
Poly(tetrafluoroethylene), 1669–1674
Non-linear optics
Optical devices, 1166–1169
Polydiacetylene
Conformation, 1063–1067
Non-linear optics, 1027–1031
Polyimide
Crosslinking, 1032–1040
Spherulite
High modulus
Gel, 2170–2173
Spherulitic morphology
Polypropylene
Crystallization, 399–409
Stabilizer
Processing
Polyethylene, 2080–2086
Static light scattering
Dynamic light scattering
Scattering, 1197–1203
Statistical analysis
Polymer chains
Single crystals, 1623–1632
Step-growth polymerization
Kinetic model
Molecular weight distribution, 1733–1741
Stereoregular
Fractionation
Poly(propylene oxide), 2328–2331
Stereoelective reaction
Optical activity
Polymerization, 2312–2319
Strain
Polyethylene
Stress, 447–452, 1456–1461
Stress
Crack growth
Polyethylene, 2215–2221
Strain
Polyethylene, 447–452, 1456–1461
Stress distribution
Craze
Polyethylene, 453–460
Stretching
Conjugated polymer
Solution, 1997–2000
Structural relaxation
Doping
Low-temperature properties, 231–236
Glass transition
Dielectric relaxation, 849–855
Structure
Cellulose
Nuclear magnetic resonance, 2288–2291
Complexes
Binding, 1540–1545
Epoxy resin
Poly(ether sulphone), 662–667
Graft copolymers
Morphology, 202–206
Nuclear magnetic resonance
Copolymer, 514–518
Nylon
Rubber blends, 78–83
Piezoelectricity
Copolymer, 1639–1642
Poly(vinyl chloride)
Irradiation, 35–39
Polyacrylonitrile
Annealing, 1187–1196
Rheology
Liquid crystalline polymer, 2204–2208
X-ray diffraction
Copolyester, 225–230, 780–785
Modelling, 1763–1767
Structure-property
Poly(tetramethylene oxide)
Tensile properties, 2001–2012
Styrene
Blends
Miscibility, 1279–1286
Electrochemical polymerization
Film, 752–755
Nuclear magnetic resonance
Polyester, 1498–1507
Sulphonation
Ionomers
Aggravation, 1227–1233
Polyurethane
Ionomers, 2320–2323
Surface pressure
Polystyrene
Solvent effect, 668–671
Surface studies
Block copolymers
Crosslinking, 793–798
Swelling
Mechanical properties
Polyacrylamide, 2198–2203
Poly(methacrylic acid)
Gel, 677–680
Supermolecular structure
Drawing
Poly(ethylene terephthalate), 242–247
Synthesis
Biopolymer
Polymerization, 949–954
Catalysis
Poly(p-phenylene), 1060–1062
Characterization
Crosslinking, 1546–1551
Ionomers, 1204–1212
Nucleophilic substitution, 1552–1557
Polyimide, 1175–1178
Composites,
Complexes, 972–973
Copolyester
Characterization, 297–303
Copolymer
Polycondensation, 936–941
Curing
Poly(ether ketone), 978–985
Gas permeability
Membrane, 1536–1539
Hydrogel
Poly(ethylene oxide), 2130–2135
Poly(amidourethane)s
Thermal behaviour, 1127–1132
Poly(p-phenylene)
Dibromobenzene, 1054–1059
Polyethylene
Processing, 1814–1819
Polymerization
Polyaniline, 2305–2311
Polysulphides
Formaldehyde, 564–569
Polysulphone
Graft copolymers, 1931–1937
Polyurethane
Grafting, 745–751
Resists
Vapour deposition, 1091–1098
Thermal degradation
Copolymer, 2237–2245
Thermotropic polyesters
Transition temperatures, 732–738

Temperature dependence
Blends
Rheometry, 1275–1278
Equation of state
Viscosity, 1895–1902
Mechanical relaxation
Polypropylene, 1439–1445
Photocyclomerization
Free volume theory, 534–539
Polystyrene
Heat capacity, 156–160
Temperature effects
Infra-red spectroscopy
Polyisoprene, 905–909
Monte-Carlo simulation
Solvent effects, 681–685
Viscosity
Polyamic acid, 893–896
Tensile properties
Irradiation
Mechanical properties, 2054–2059
Poly(tetramethylene oxide)
Structure-property, 2001–2012
Polyethylene
Poly(ethylene terephthalate), 636–642
Ternary systems
Flory–Huggins parameter
Interaction parameter, 897–904
Phase behaviour
Liquid crystals, 311–316
Polystyrene
Light scattering, 610–614
Terpolymers
Polymerization
Microstructure, 756–761
Tetrahydrofuran
Block copolymers
Polymerization, 722–725
Theoretical model
Polymerization
Zwitterion, 1747–1750
Thermal behaviour
Crystallinity
Kevlar 49, 218–224
Crystallization
Blends, 1475–1483
FT infra-red spectroscopy
Blends, 1797–1799
Ionene
Crystal structure, 2030–2037
Dielectric properties, 2023–2029
Poly(amidourethane)s
Synthesis, 1127–1132

Thermal degradation
Copolymer
Synthesis, 2237–2245
Thermal expansion
Polyimide films
Anisotropy, 1170–1174
Thermal history
Crystallization
Polyethylene, 874–881
Thermal properties
Polypropylene blends
Phase structure, 304–310
Thermally stimulated current
Liquid crystalline polymer
Optical properties, 2227–2236
Relaxation
Glass transition temperature, 1977–1983
Thermodynamics
Blends
Critical temperatures, 888–892
Chromatography
Solubility, 2074–2079
Liquid crystals
Hysteresis, 494–503
Polystyrene
Glass transition, 2246–2252
Solubility
Interaction parameter, 686–692
Thermomechanical analysis
Characterization
Polyimide, 739–744
Thermoplastic
Blends
Dynamic mechanical properties, 2047–2053
Thermotropic behaviour
Polyorganophosphazenes
Side groups, 579–584
Thermotropic polyesters
Injection moulding
Microstructure, 1105–1112
Morphology
Small-angle scattering, 17–21
Transition temperatures
Synthesis, 732–738
Thin films
Crystal structure
Morphology, 1776–1784
Photopolymerization
Langmuir–Blodgett films, 1959–1963
Transesterification
Blends
Miscibility, 1287–1297
Polyesters
Neutron scattering, 379–385
Transient grating
Anisotropy
Film, 1247–1250
Transition phenomena
Dynamic mechanical analysis
Orientation, 2193–2197
Transition temperatures
Thermotropic polyesters
Synthesis, 732–738
Transport
Photoconductivity
Film, 1328–1331
Poly(vinyl alcohol)
Membrane, 1367–1374
Triacetin-polymer
Characterization
Gas chromatography, 324–326

Ultrasonic absorption
Dynamic properties
Chain entanglement, 842–848
Ultrasonics
Phase separation
Copolymer, 1484–1487

Vapour deposition
Resists
Synthesis, 1091–1098
Vibrational spectroscopy
Poly(propylene oxide)
Complexes, 1785–1790
Spectroscopy
Configuration, 1791–1796
Viscoelastic relaxation
Liquid polymers
Shear, 97–103
Viscoelasticity
Blend
Polybutadiene, 2174–2179
Latex
Dynamic mechanical properties, 1883–1894
Modification
Blends, 1085–1090
Shear
Elastomer, 831–834
Viscometry
Aggregation
Solution, 1690–1694
Viscosity
Equation of state
Temperature dependence, 1895–1902
Free volume theory
Poly(methyl methacrylate), 461–466
Temperature effects
Polyamic acid, 893–896
Volume of mixing
Blends
Dilatometry, 1524–1529

Water
Characterization
Glass transition temperature, 1946–1950
Phase separation
Mixture, 2104–2111
Poly(ethylene glycol)
Poly(ethylene oxide), 528–533
Wide-angle X-ray scattering
Cellulose
Crystalline polymer, 237–241
Ethylene-tetrafluoroethylene
Copolymer, 1768–1775
Polyethylene
Fibre, 1964–1968

X-ray diffraction
Elastic modulus
Conformation, 1243–1246
Rietveld, method
Crystal structure, 786–792
Structure
Copolyester, 225–230, 780–785
Modelling, 1763–1767

Young's modulus
Composites
Morphology, 1656–1662
Rod-like polymer, 1462–1466

Ziegler–Natta catalyst
Mathematical modelling
Copolymerization, 230–296